

Appendix 1
SWAMP Safe-to-Swim Study, Labor Day 2008
Data Sheets
(2 pages per site)

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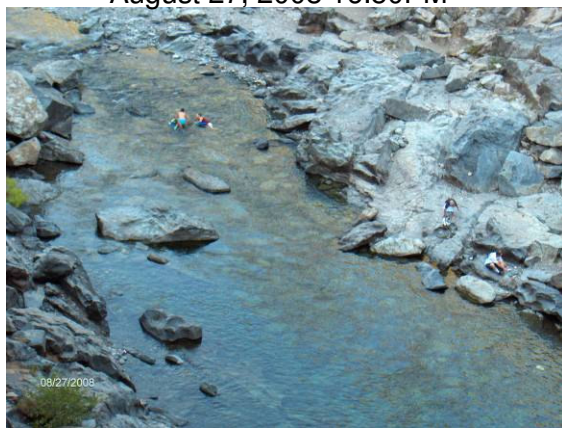
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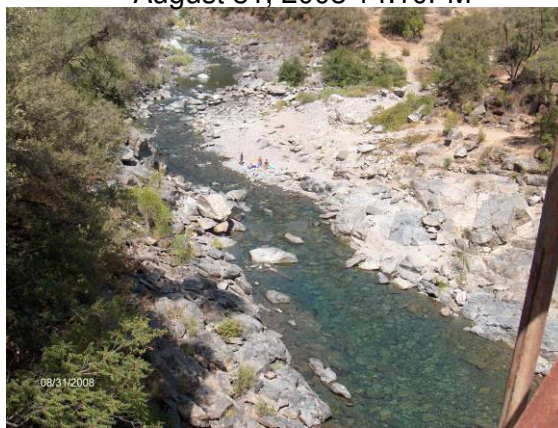
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, North Fork, at Yankee Jims Road (514AMR800)

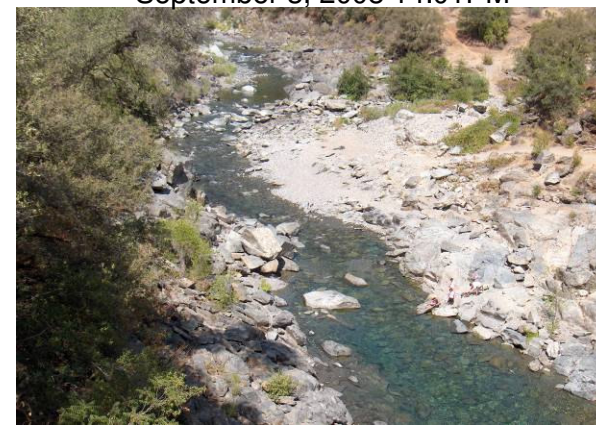
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August 31, 2008 14:10PM

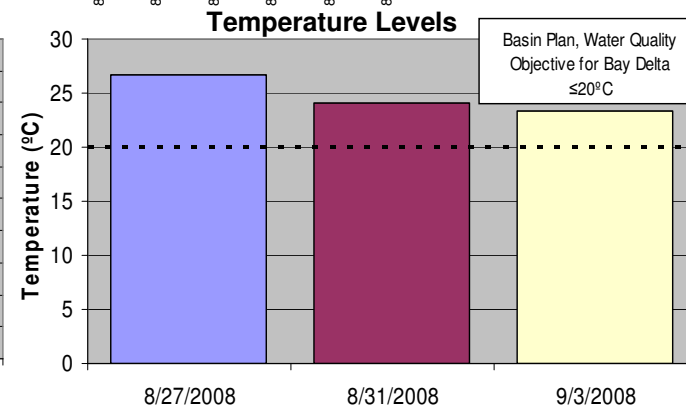
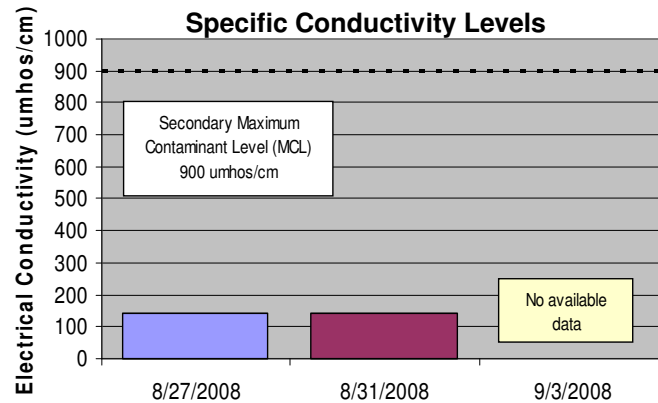
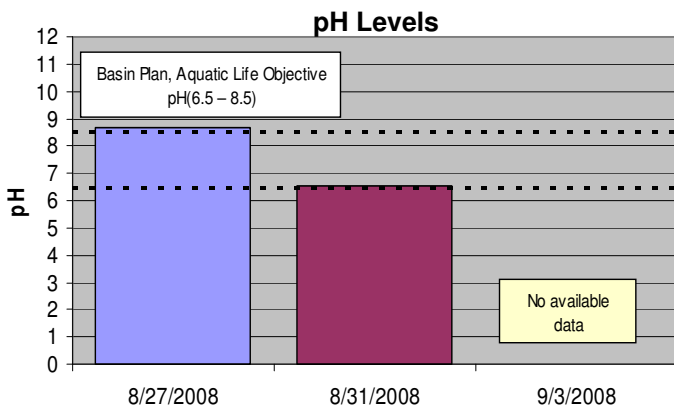
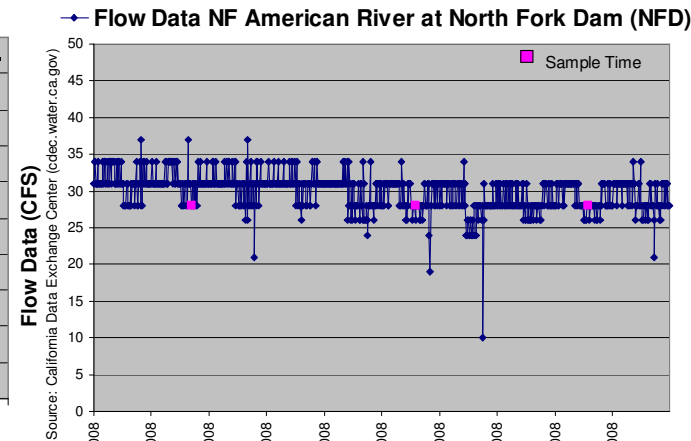
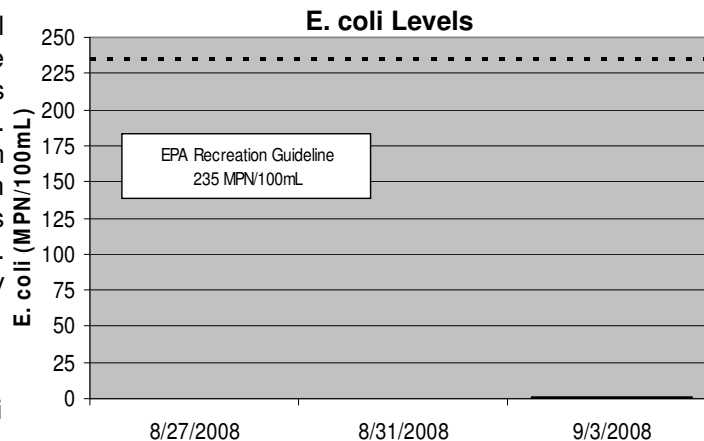


September 3, 2008 14:01PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

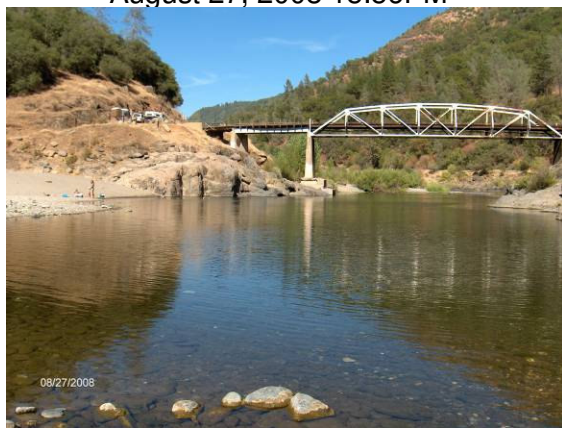
Description of Sample Site: American River, North Fork, at Yankee Jims Road
 SWAMP Site ID: 514AMR800
 Watershed: American River Watershed
 County: Placer
 Longitude: -120.902417
 Latitude: 39.041133

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	<1.0	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	142.1	141.9	n/a
pH	6.5-8.5 (Basin Plan Objective)	8.7	6.54	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	26.6	24.1	23.3

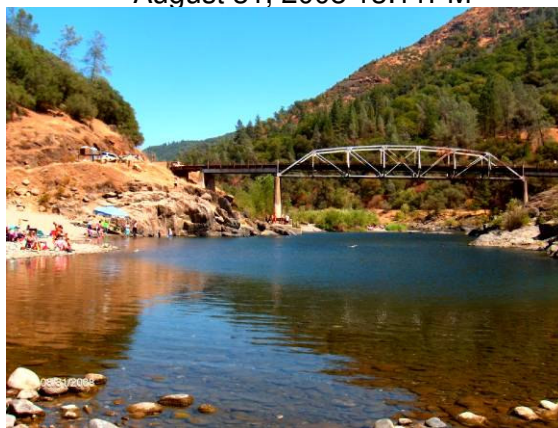
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day American River, North Fork, at Ponderosa Way (514AMR801)

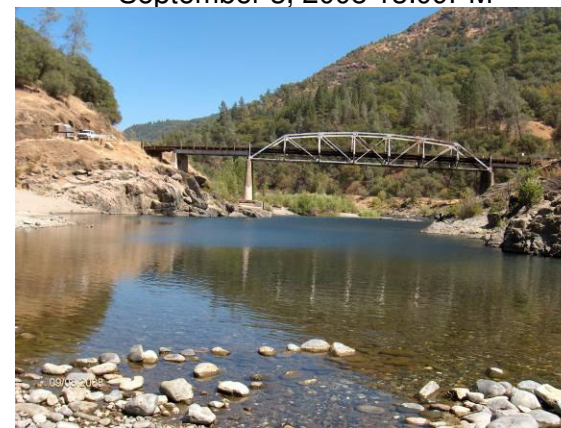
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August 31, 2008 13:11PM

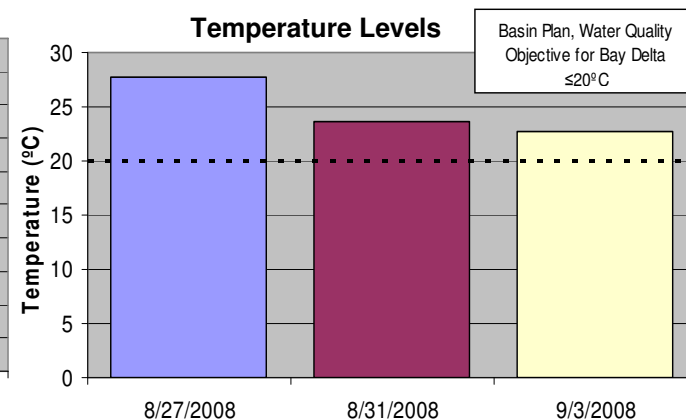
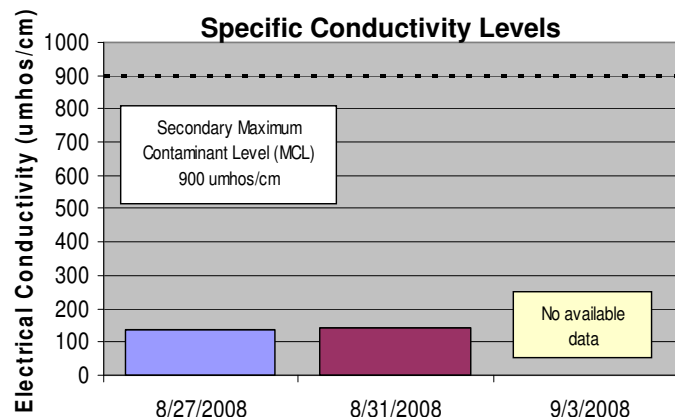
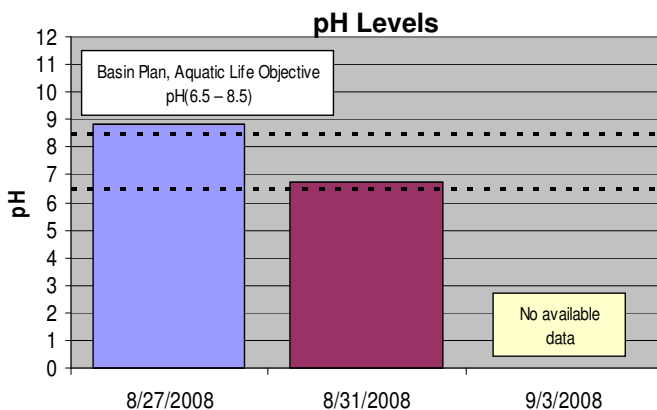
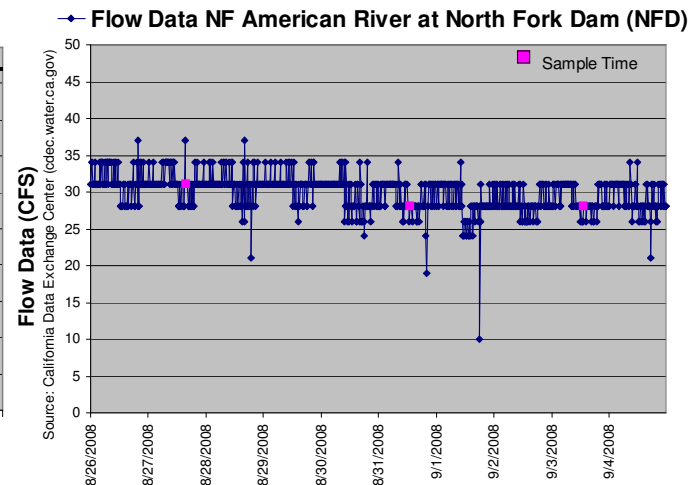
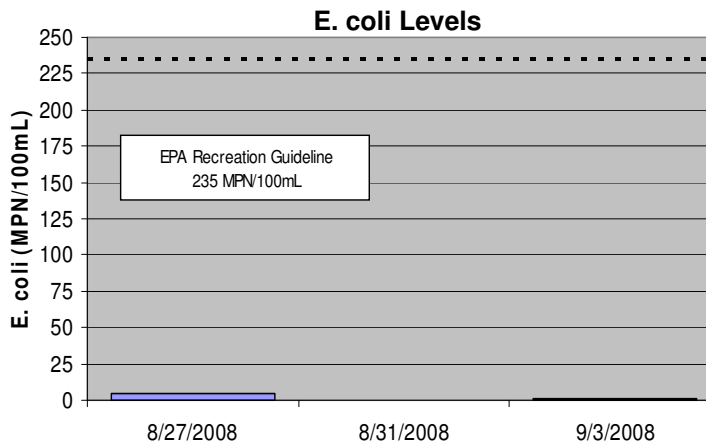


September 3, 2008 13:09PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

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DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

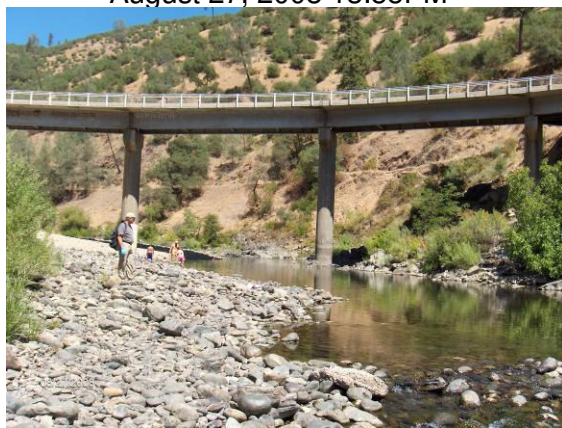
Description of Sample Site: American River, North Fork, at Ponderosa Way
 SWAMP Site ID: 514AMR801
 Watershed: American River Watershed
 County: Placer
 Longitude: -120.941050
 Latitude: 38.999600

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	4.1	<1.0	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	138.7	143	n/a
pH	6.5-8.5 (Basin Plan Objective)	8.84	6.73	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	27.8	23.6	22.8

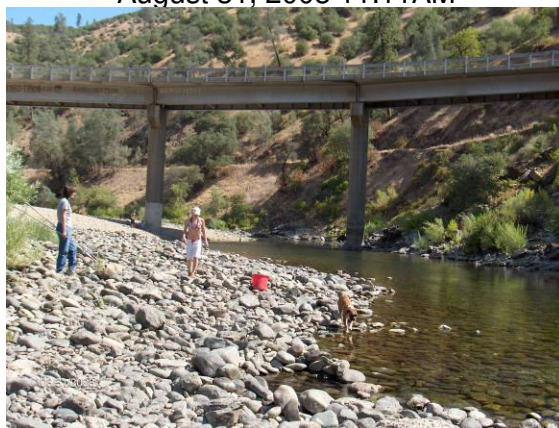
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day American River, North Fork, at Middle Fork Confluence (514AMR802)

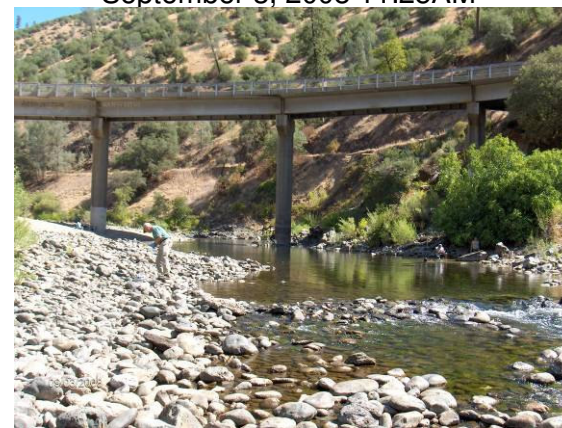
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August 31, 2008 11:11AM



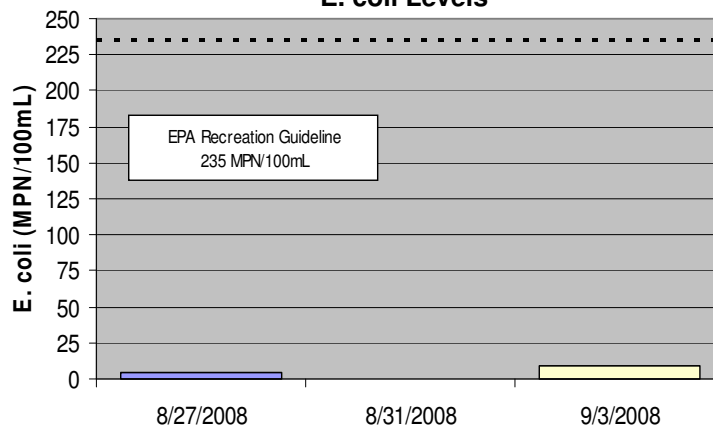
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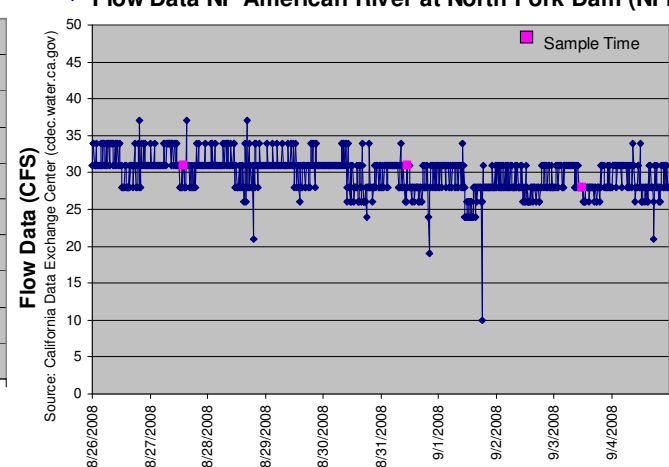
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

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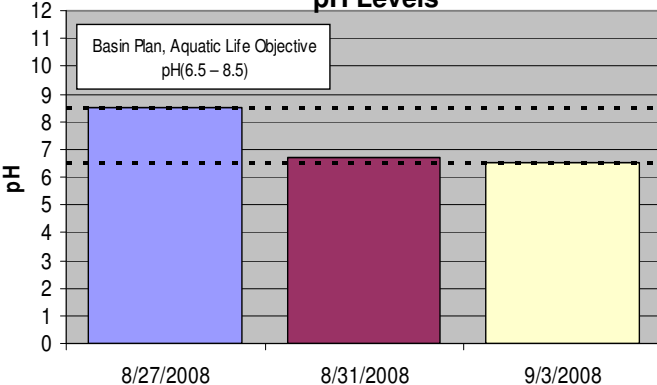
E. coli Levels



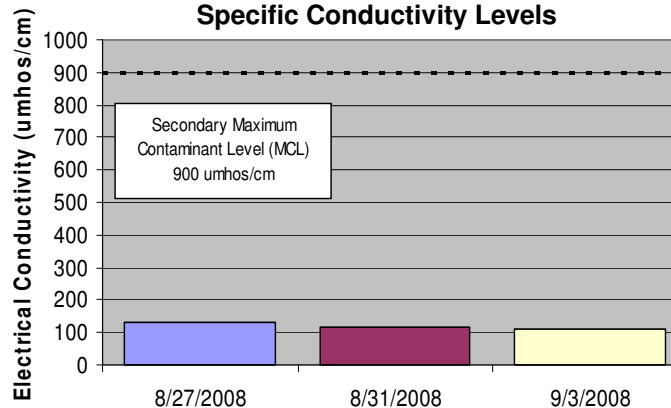
Flow Data NF American River at North Fork Dam (NFD)



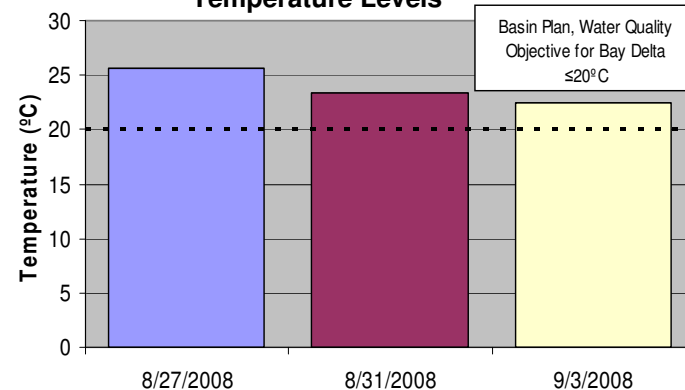
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River, North Fork, at Middle Fork Confluence
 SWAMP Site ID: 514AMR802
 Watershed: American River Watershed
 County: Placer
 Longitude: -121.036300
 Latitude: 38.916267

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	4.1	<1.0	8.6
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	133	116	110.5
pH	6.5-8.5 (Basin Plan Objective)	8.5	6.67	6.55
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.63	23.3	22.5

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, Middle Fork, at Driver's Flat (514AMR803)

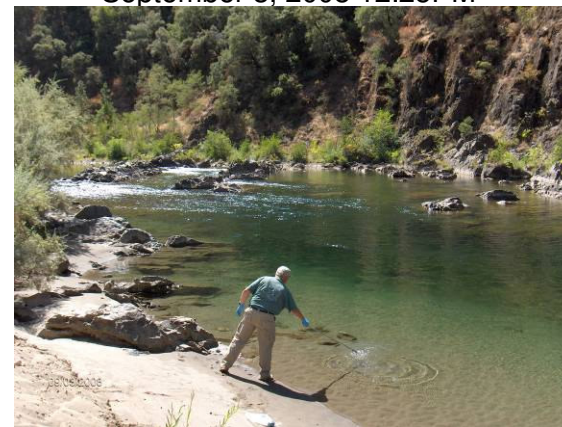
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August 31, 2008 12:22PM

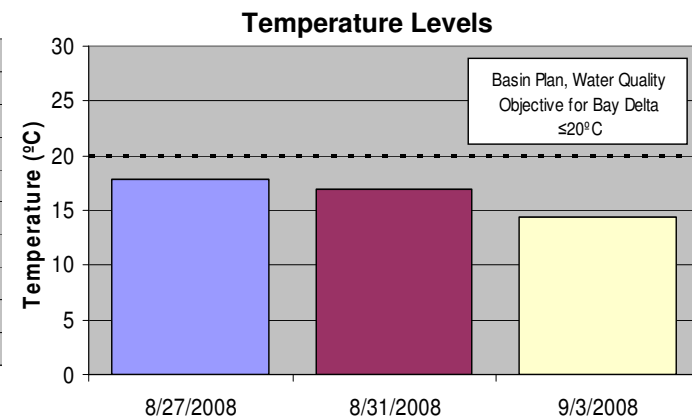
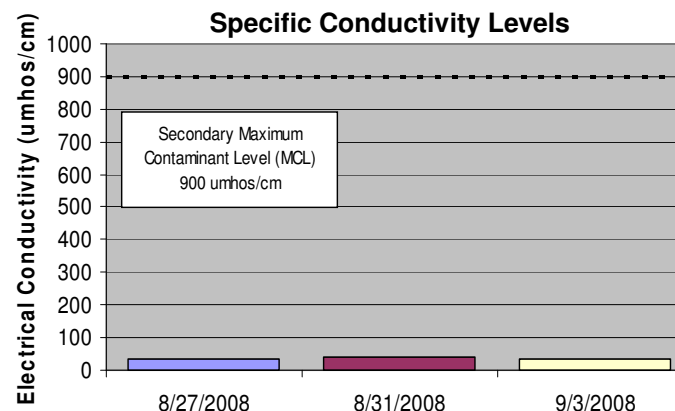
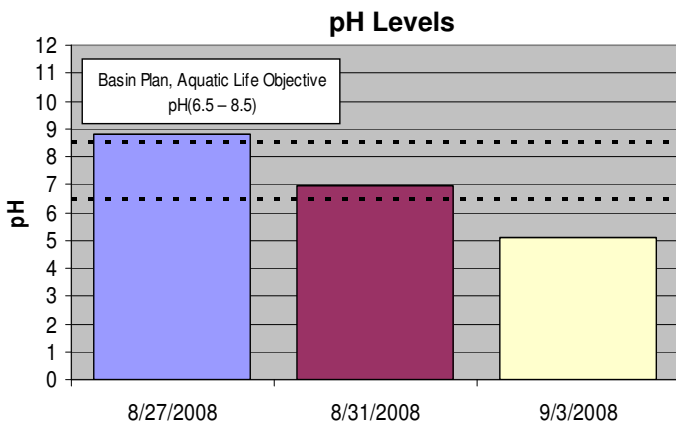
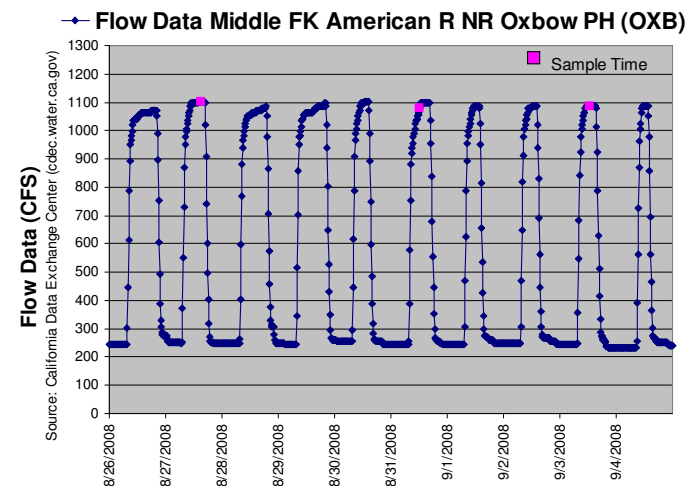
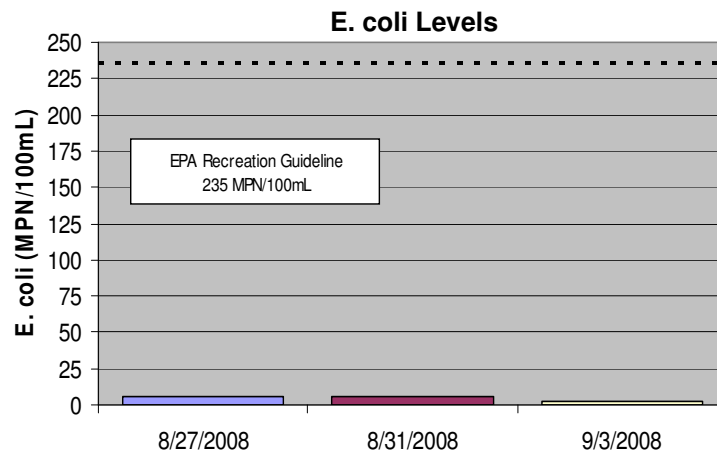


September 3, 2008 12:25PM



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DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River, Middle Fork, at Driver's Flat
 SWAMP Site ID: 514AMR803
 Watershed: American River Watershed
 County: Placer
 Longitude: -120.932967
 Latitude: 38.963217

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	5.2	5.2	2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	34.6	38	37.11
pH	6.5-8.5 (Basin Plan Objective)	8.82	6.98	5.1
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	17.8	17	14.4

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

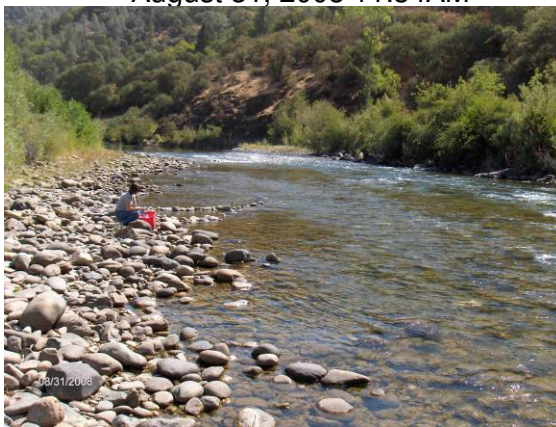
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, Middle Fork, at Mammoth Bar (514AMR804)

August 27, 2008 14:17PM



August 31, 2008 11:34AM

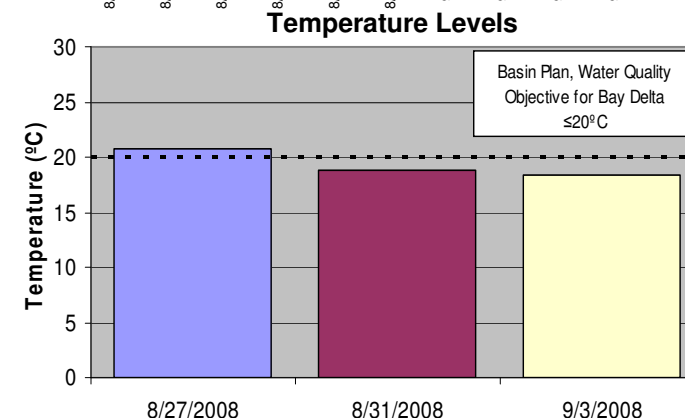
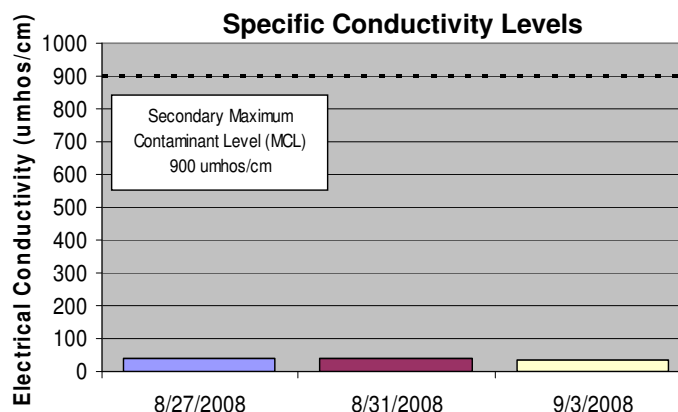
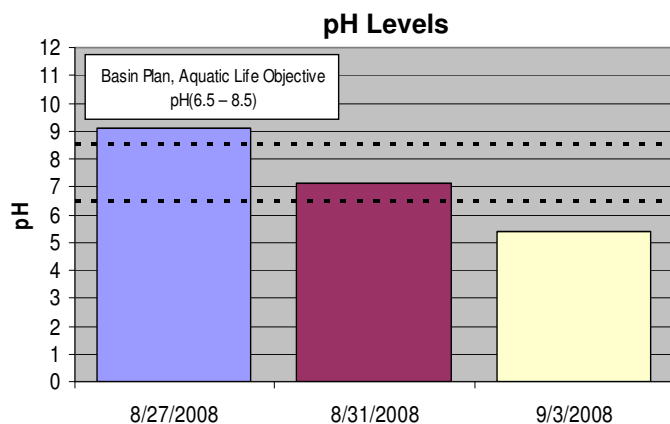
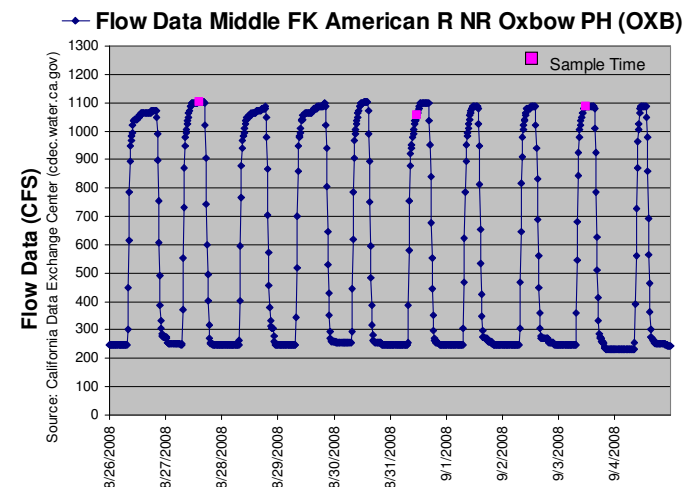
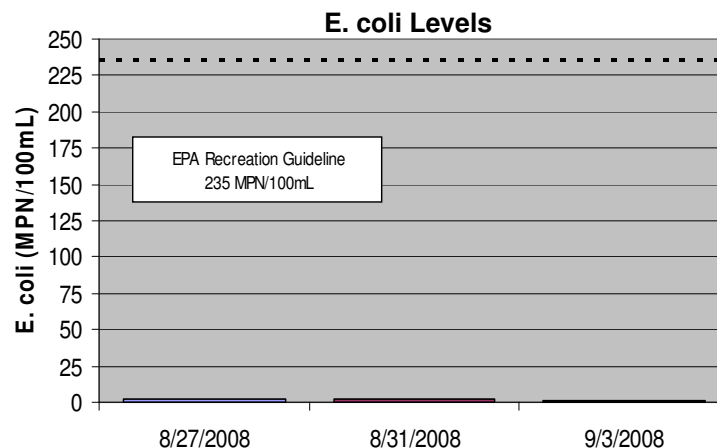


September 3, 2008 11:51AM



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DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

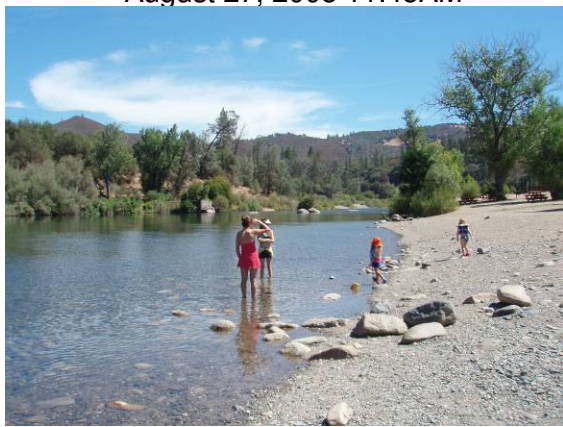
Description of Sample Site: American River, Middle Fork, at Mammoth Bar
 SWAMP Site ID: 514AMR804
 Watershed: American River Watershed
 County: Placer
 Longitude: -121.001900
 Latitude: 38.917983

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	2	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	39.55	40	37.43
pH	6.5-8.5 (Basin Plan Objective)	9.08	7.11	5.41
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.8	18.8	18.4

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day American River, South Fork, at Lotus (514AMR805)

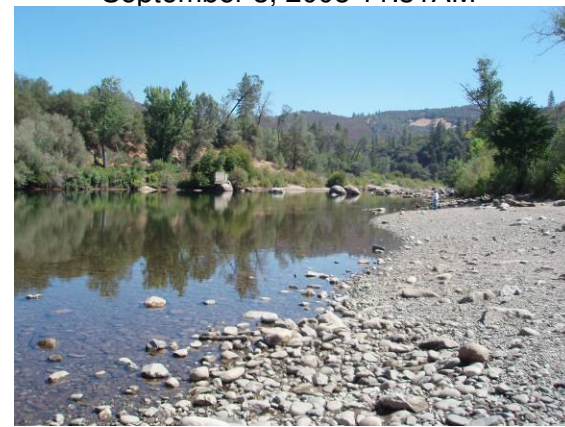
August 27, 2008 11:45AM



August 31, 2008 11:31AM

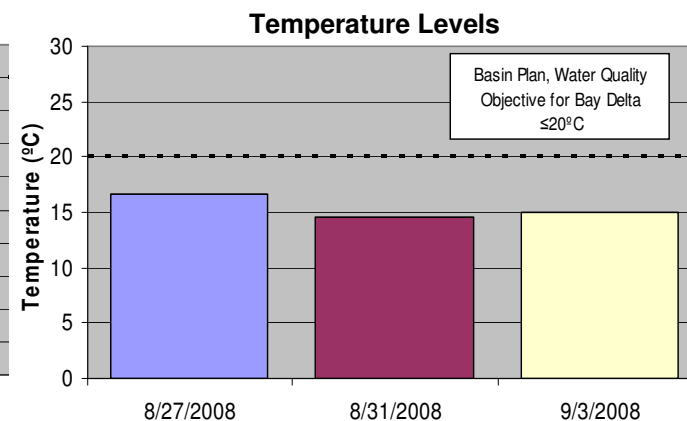
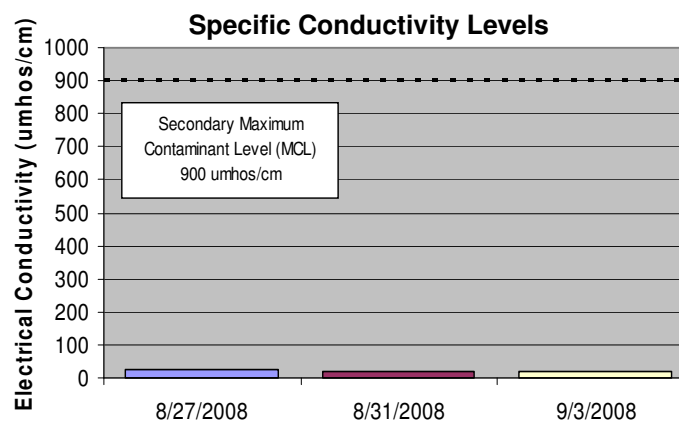
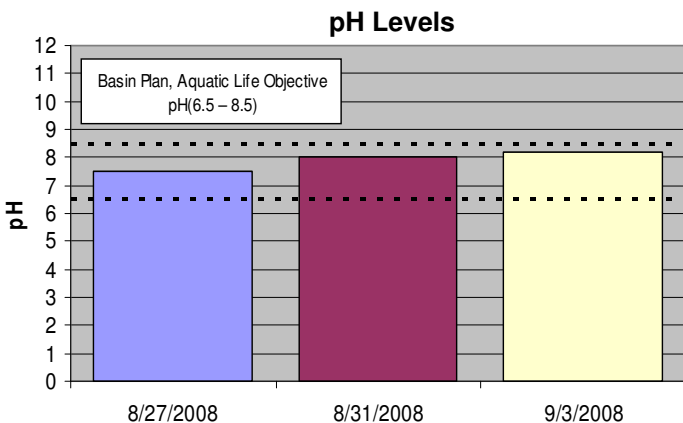
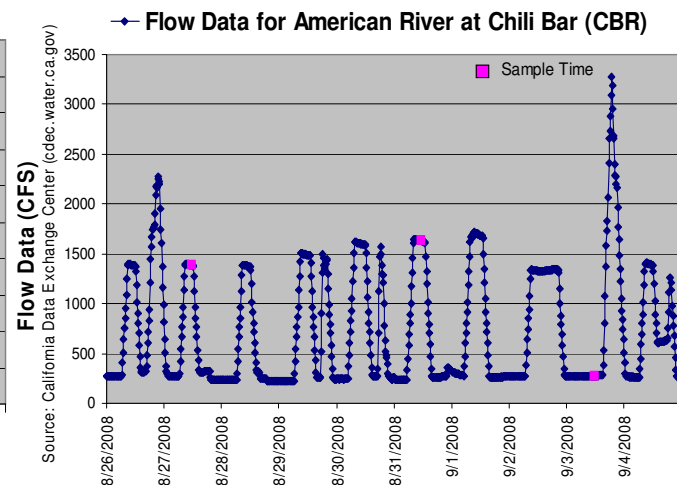
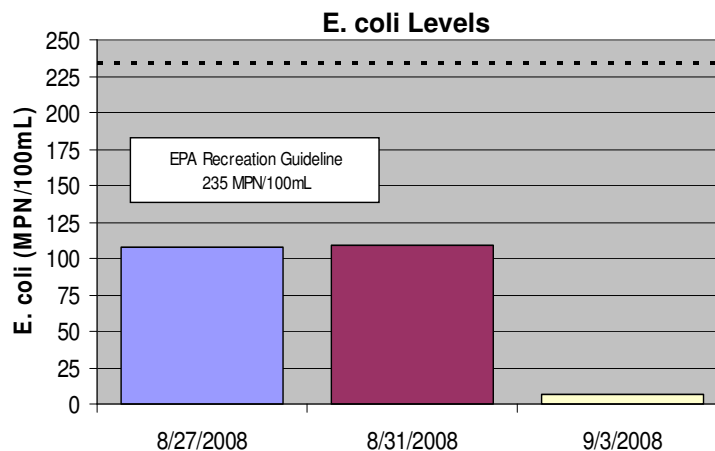
No photo available

September 3, 2008 11:31AM



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DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River, South Fork, at Lotus
 SWAMP Site ID: 514AMR805
 Watershed: American River Watershed
 County: El Dorado
 Longitude: -120.909733
 Latitude: 38.806817

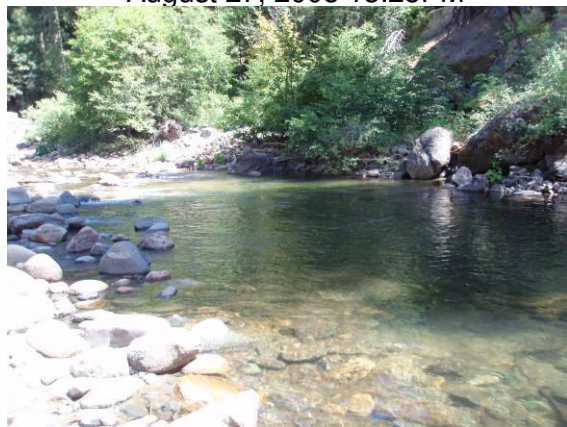
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	108.1	109.2	6.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	23	21	22
pH	6.5-8.5 (Basin Plan Objective)	7.49	8.00	8.21
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	16.59	14.59	14.95

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, South Fork, at Kyburz (514AMR806)

August 27, 2008 13:25PM



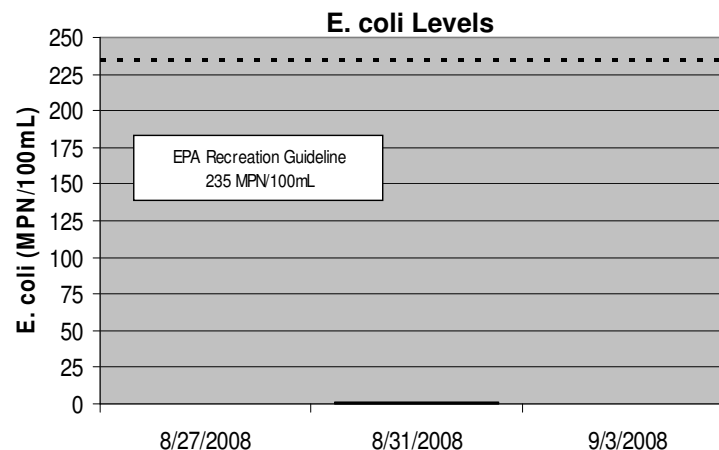
August 31, 2008 13:31PM

No photo available

September 3, 2008 12:58PM



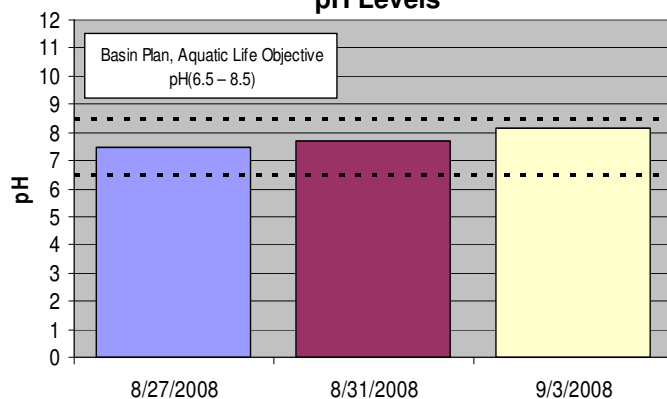
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



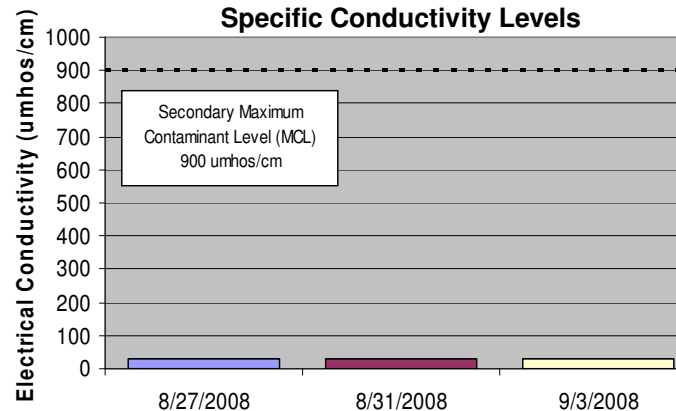
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

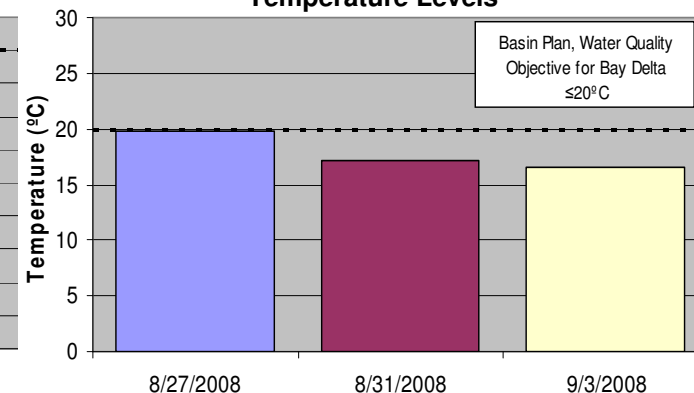
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River, South Fork, at Kyburz
 SWAMP Site ID: 514AMR806
 Watershed: American River Watershed
 County: El Dorado
 Longitude: -120.325617
 Latitude: 38.762950

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	1	<1.0
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	32	30	32
pH	6.5-8.5 (Basin Plan Objective)	7.49	7.72	8.18
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.77	17.21	16.48

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, Silver Fork, at China Campground (514AMR807)

August 27, 2008 14:41PM



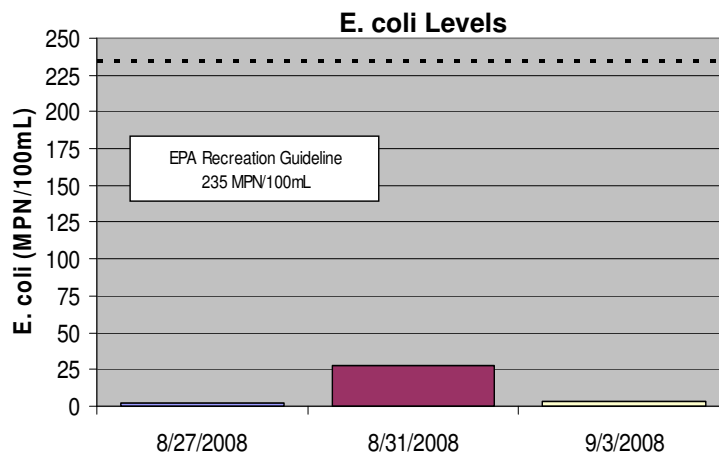
August 31, 2008 13:56PM



September 3, 2008 13:15PM

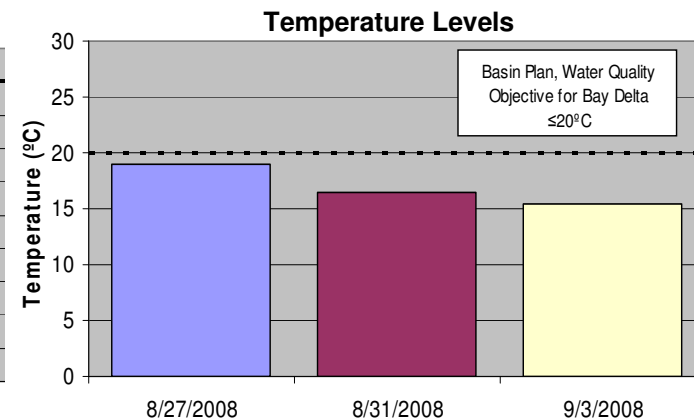
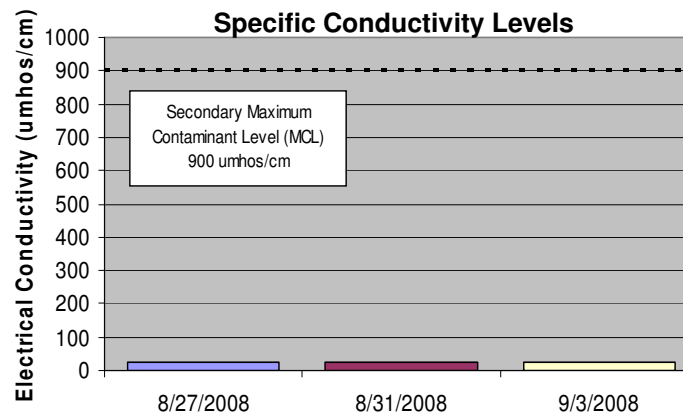
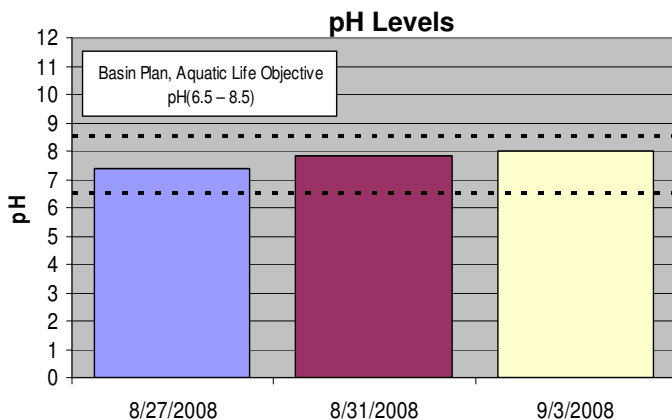


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River, Silver Fork, at China Campground
 SWAMP Site ID: 514AMR807
 Watershed: American River Watershed
 County: El Dorado
 Longitude: -120.268067
 Latitude: 38.753600

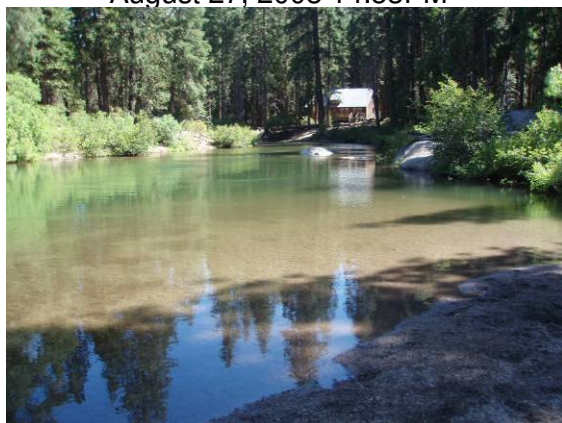
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	27.9	3.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	27	25	25
pH	6.5-8.5 (Basin Plan Objective)	7.39	7.82	7.99
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	18.94	16.5	15.44

•NOTES:

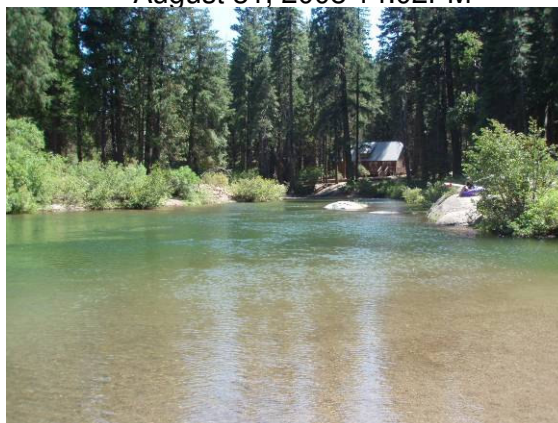
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, Silver Fork, at China Campground, Day Use Area (514AMR807)

August 27, 2008 14:53PM



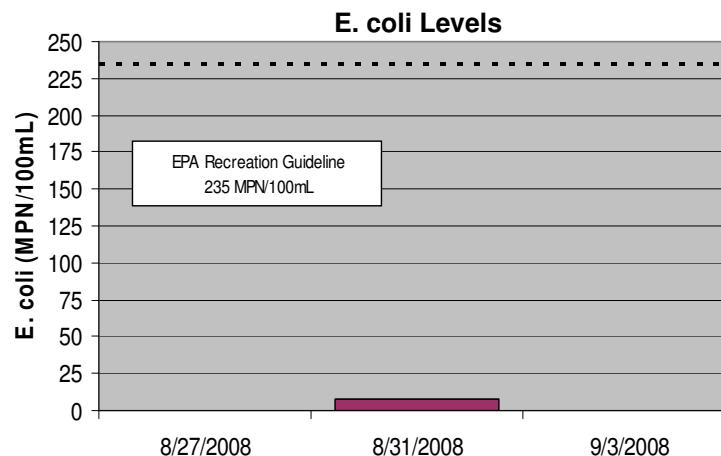
August 31, 2008 14:02PM



September 3, 2008 13:26PM

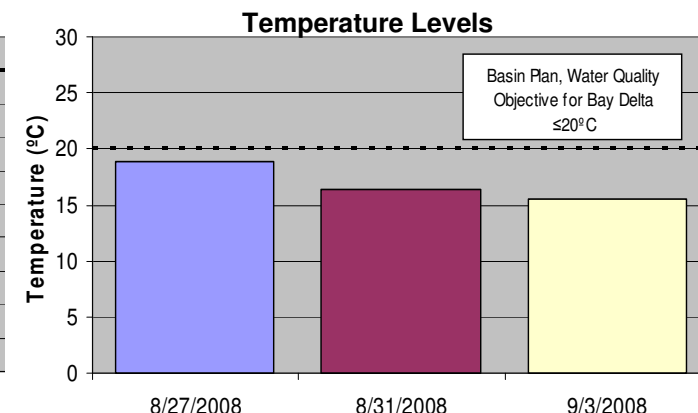
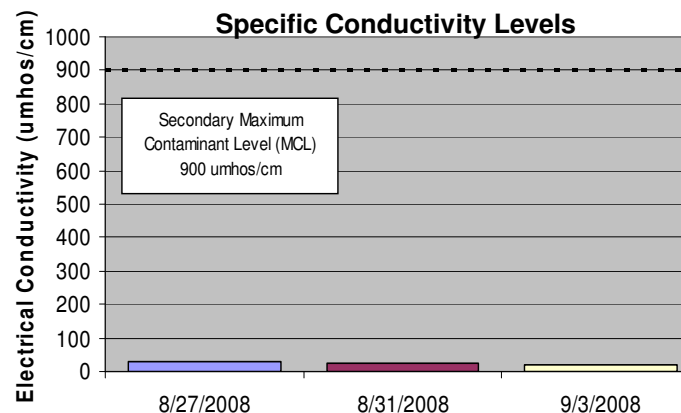
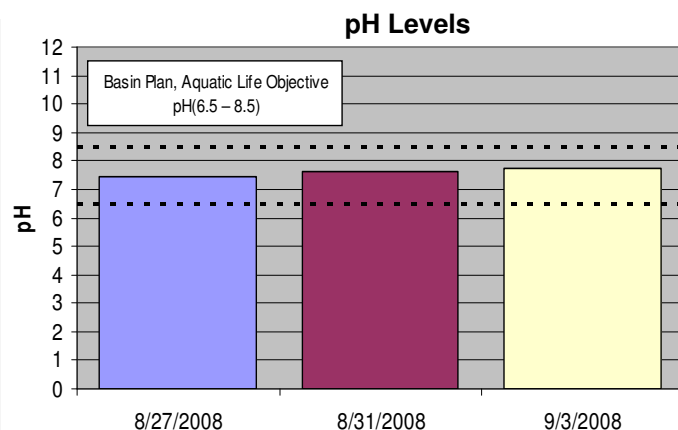


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River, Silver Fork, at China Campground *Day Use Area*
 SWAMP Site ID: 514AMR807
 Watershed: American River Watershed
 County: El Dorado
 Longitude: -120.266567
 Latitude: 38.751933

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	7.4	<1.0
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	27	26	21
pH	6.5-8.5 (Basin Plan Objective)	7.43	7.6	7.74
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	18.85	16.43	15.44

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

American River, South Fork, at Salmon Falls Road (514AMR808)

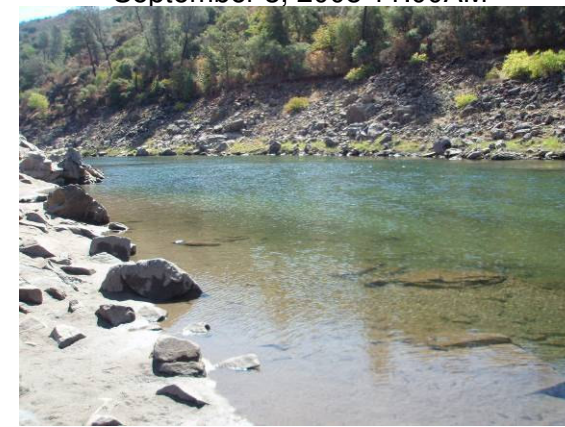
August 27, 2008 11:01AM



August 31, 2008 10:59AM

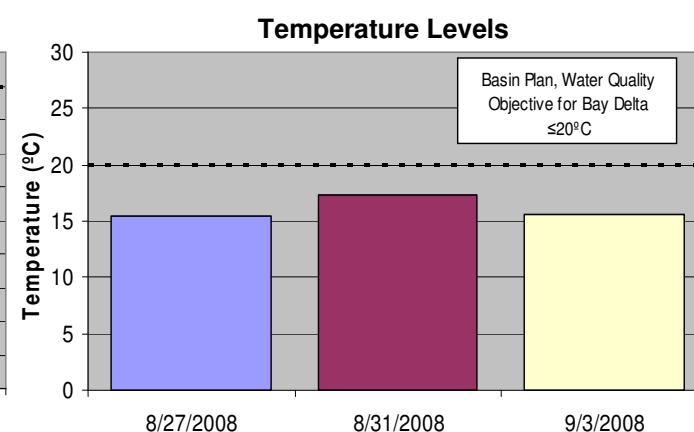
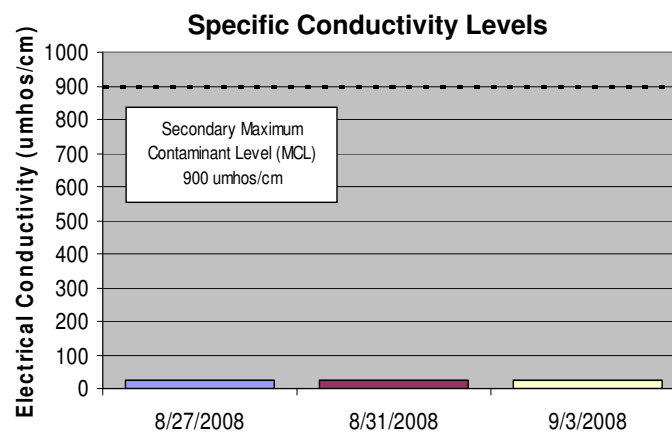
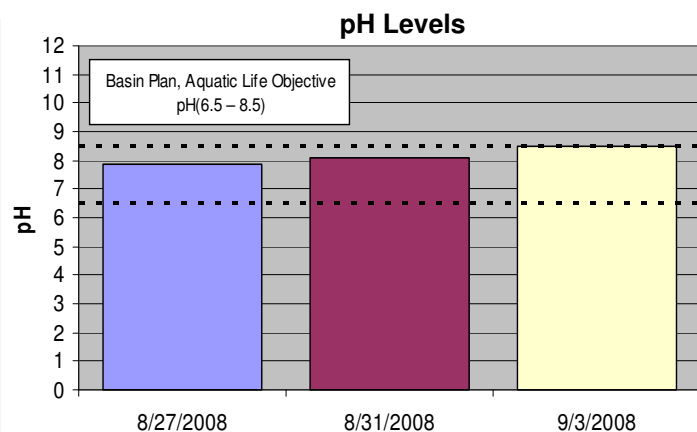
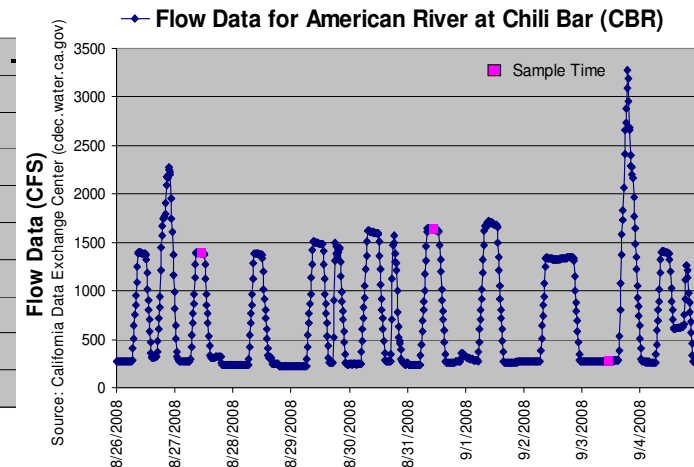
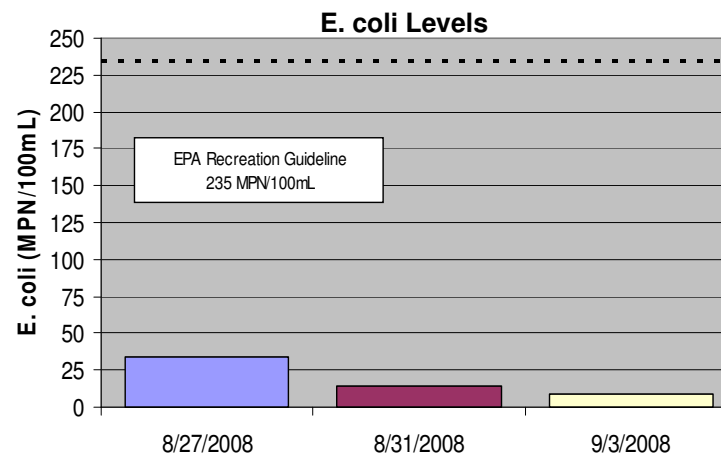
No photo available

September 3, 2008 11:00AM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

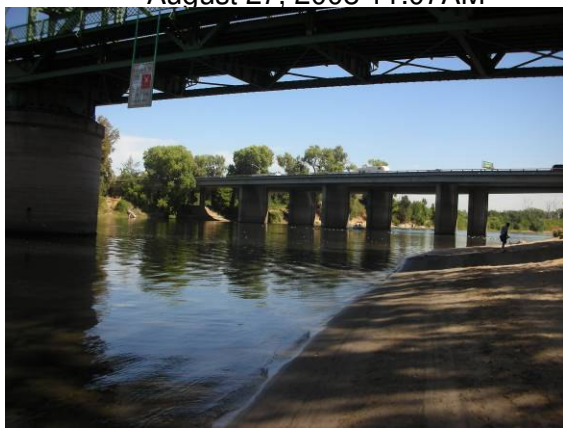
Description of Sample Site: American River, South Fork, at Salmon Falls Road
 SWAMP Site ID: 514AMR808
 Watershed: American River Watershed
 County: El Dorado
 Longitude: -121.035200
 Latitude: 38.772733

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	33.6	14.6	8.4
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	24	24	25
pH	6.5-8.5 (Basin Plan Objective)	7.85	8.09	8.51
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	15.38	17.26	15.56

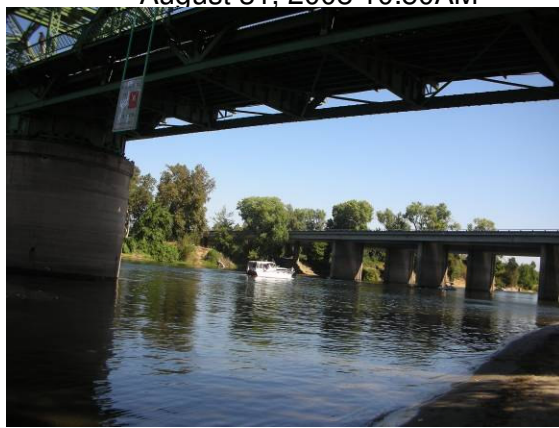
- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters. Shaded table cells contain values that do not meet the water quality guidelines

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day American River at Discovery Park (544SAC007)

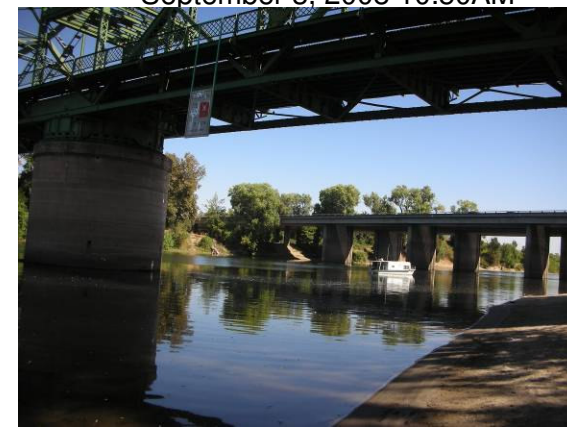
August 27, 2008 11:07AM



August 31, 2008 10:50AM



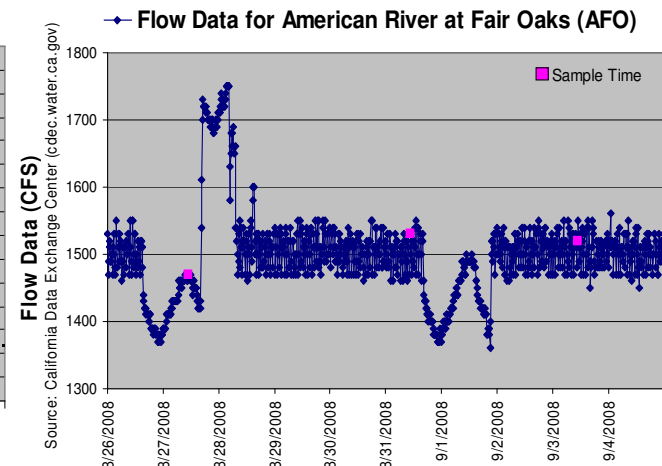
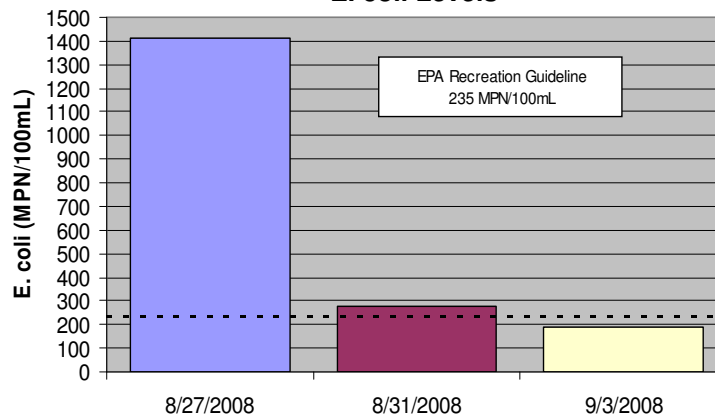
September 3, 2008 10:50AM



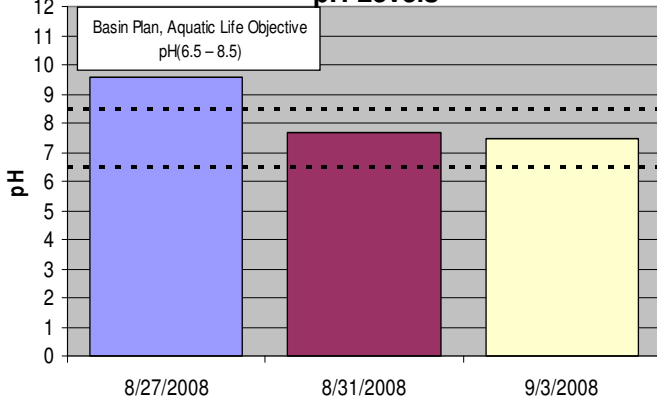
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

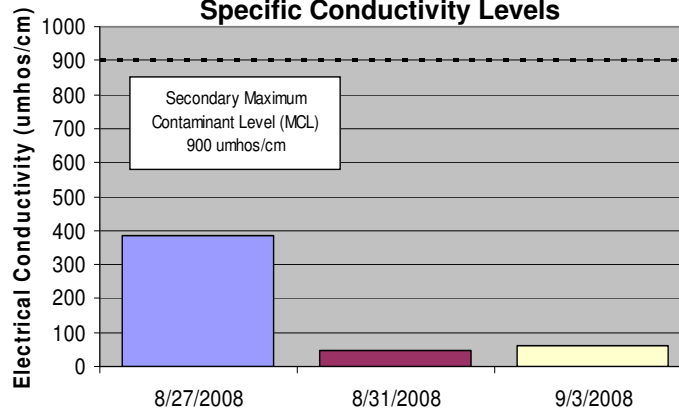
E. coli Levels



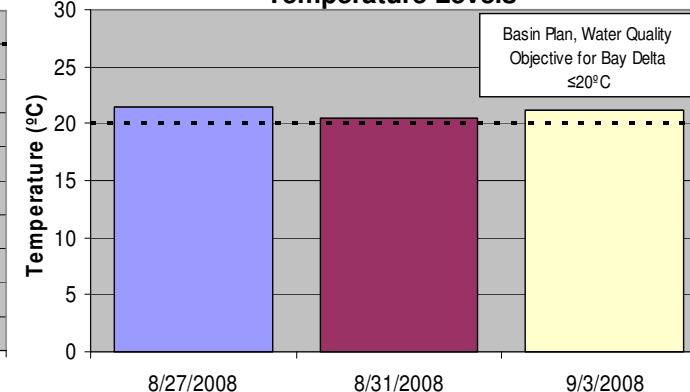
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

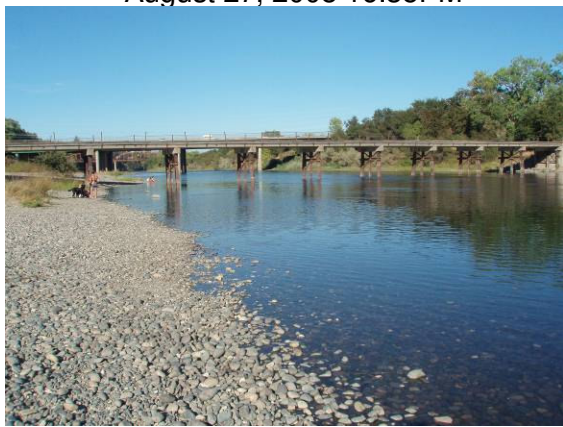
Description of Sample Site: American River at Discovery Park
 SWAMP Site ID: 544SAC007
 Watershed: Sacramento River Watershed
 County: Sacramento
 Longitude: -121.502675
 Latitude: 38.601706

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1413.6	275.5	187.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	386.5	48.1	59.2
pH	6.5-8.5 (Basin Plan Objective)	9.55	7.7	7.47
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	21.4	20.5	21.2

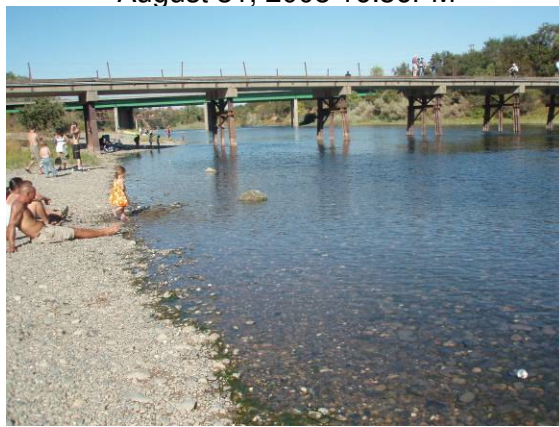
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day American River at Sunrise Avenue (544SAC008)

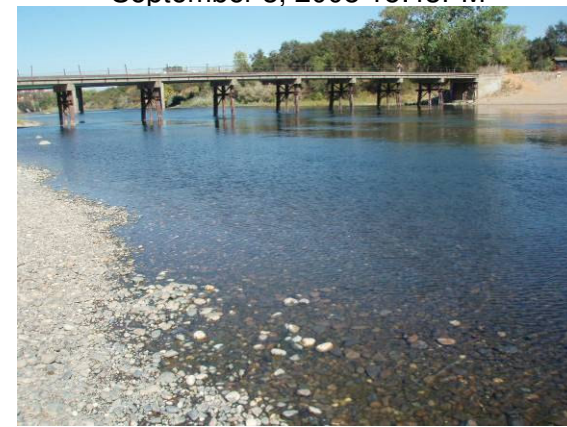
August 27, 2008 16:35PM



August 31, 2008 16:36PM



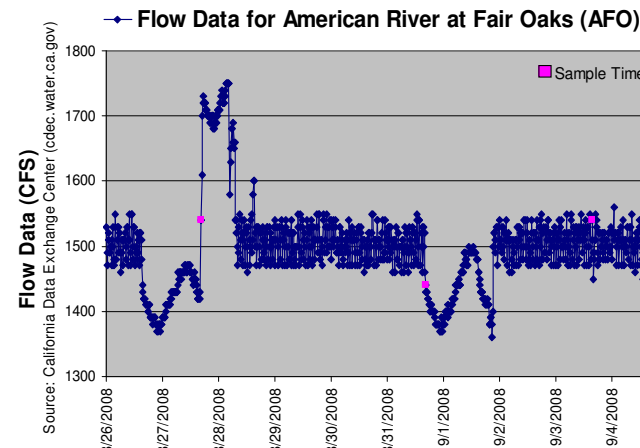
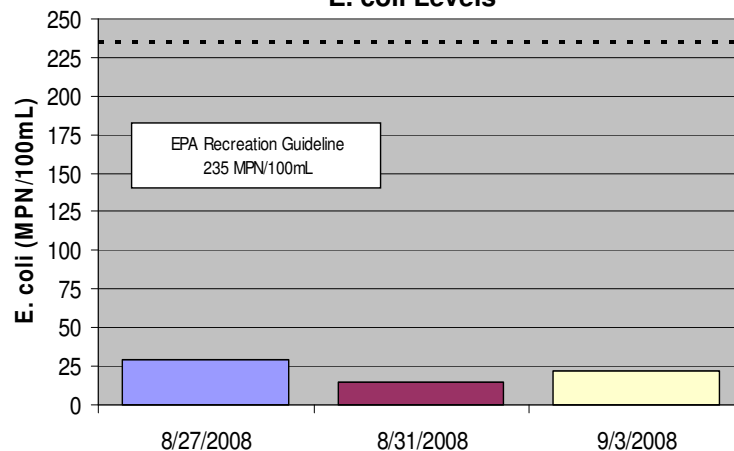
September 3, 2008 15:43PM



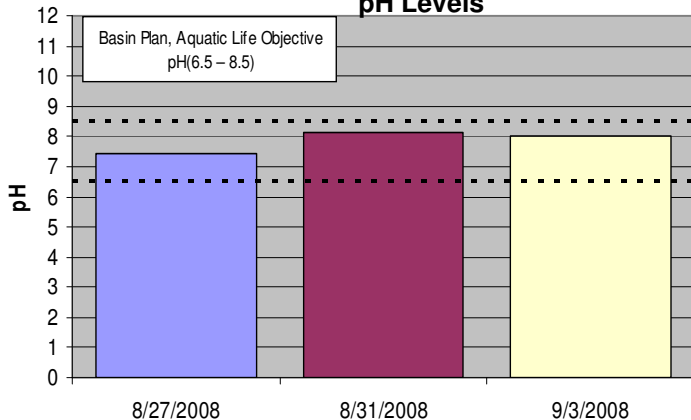
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

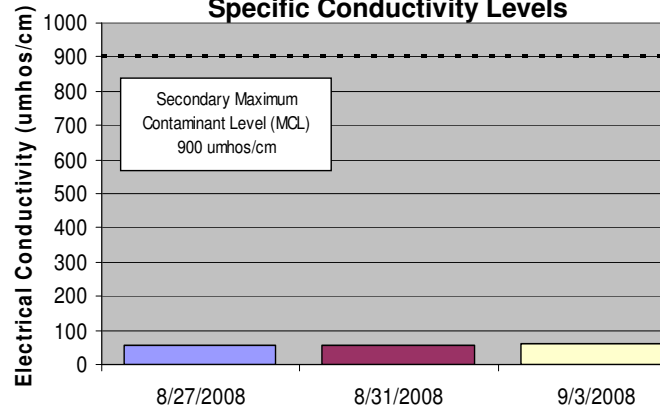
E. coli Levels



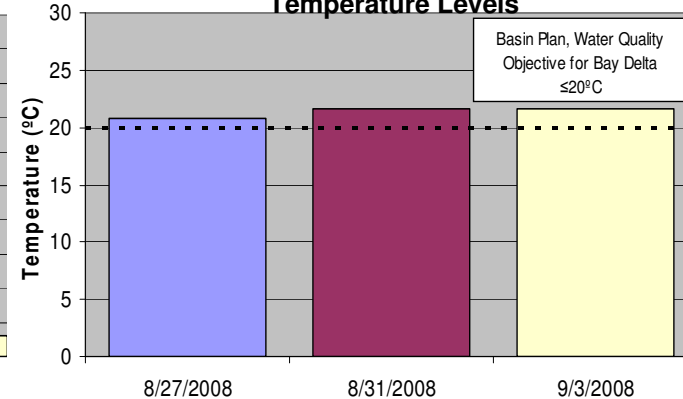
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: American River at Sunrise Avenue
 SWAMP Site ID: 544SAC008
 Watershed: Sacramento River Watershed
 County: Sacramento
 Longitude: -121.270583
 Latitude: 38.633383

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	28.8	14.8	21.8
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	58	57	60
pH	6.5-8.5 (Basin Plan Objective)	7.43	8.12	8.02
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.73	21.68	21.65

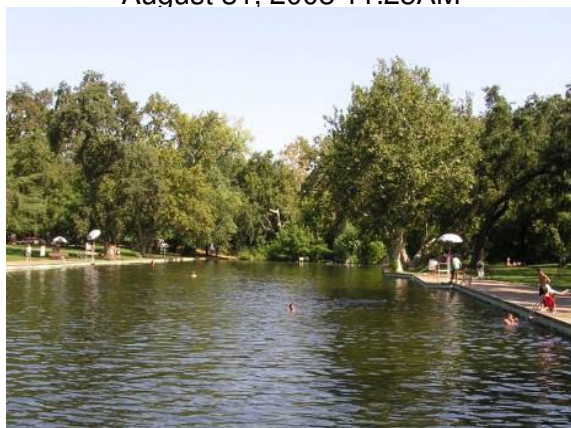
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Big Chico Creek at Bidwell Park, below swimming pool (520BUT901))

August 27, 2008 12:03PM

No image available

August 31, 2008 11:25AM

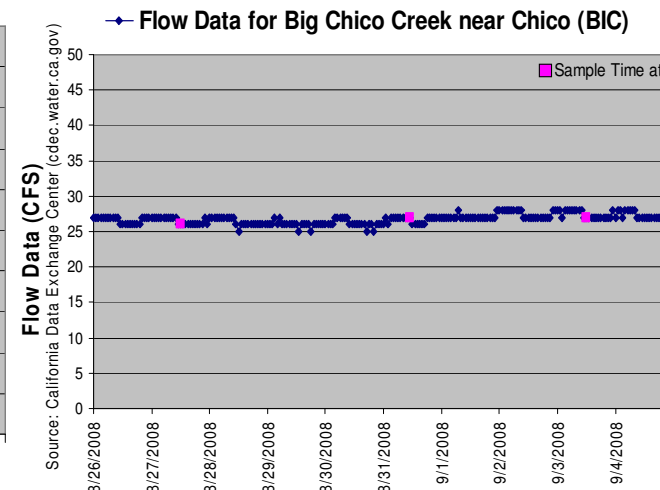
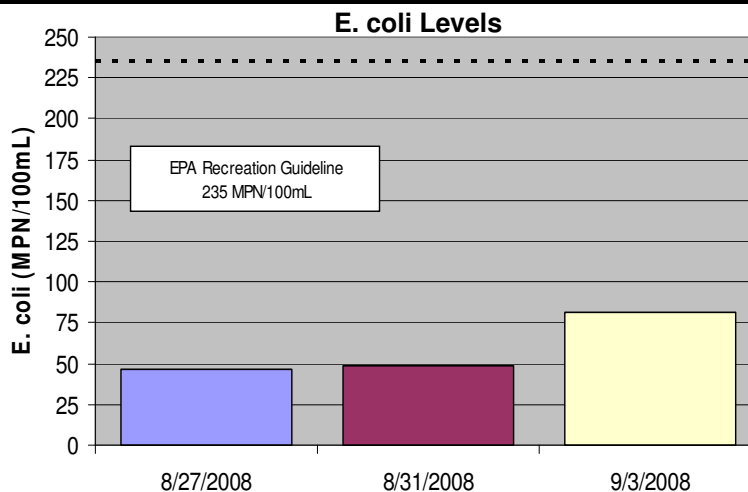


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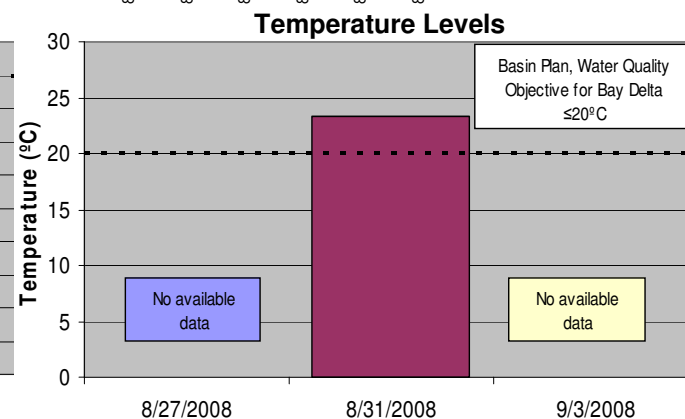
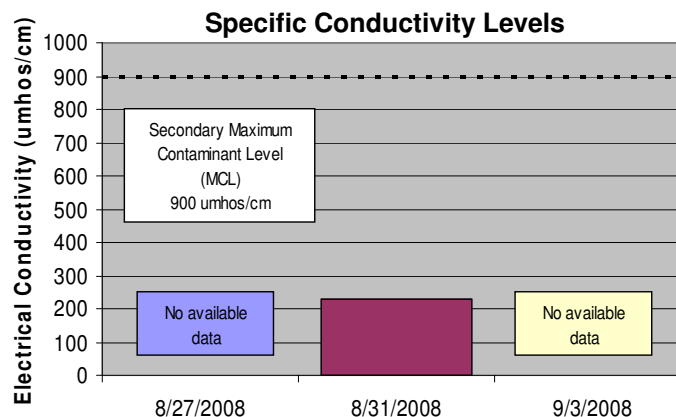
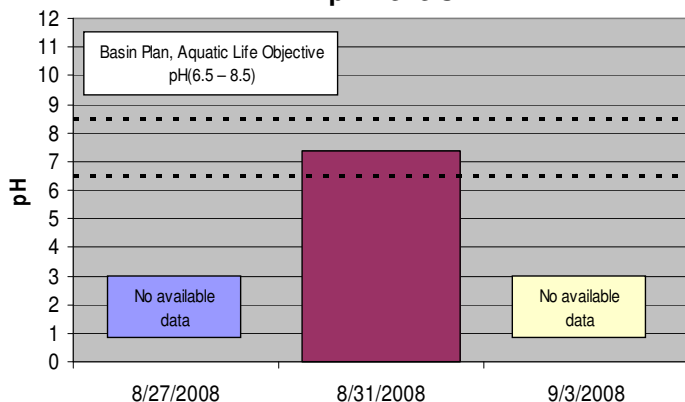
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The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



pH Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Big Chico Creek at Bidwell Park below swimming pool
 SWAMP Site ID: 520BUT901
 Watershed: Butte Creek Watershed
 County: Butte
 Longitude: -121.792299
 Latitude: 39.762211

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	46.5	48.8	81.6
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	230	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.4	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	23.3	n/a

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Butte Creek at Honey Run Bridge (520BUT900)

August 27, 2008 12:27PM

No image available

August 31, 2008 12:13PM

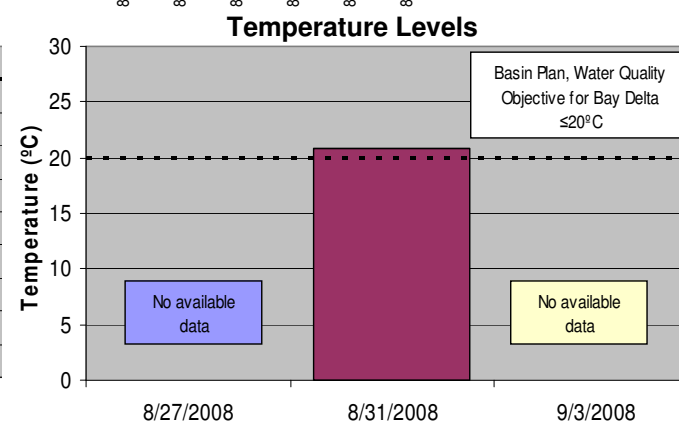
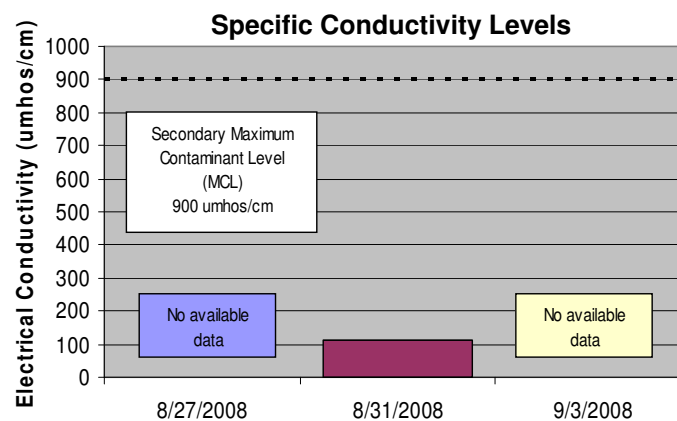
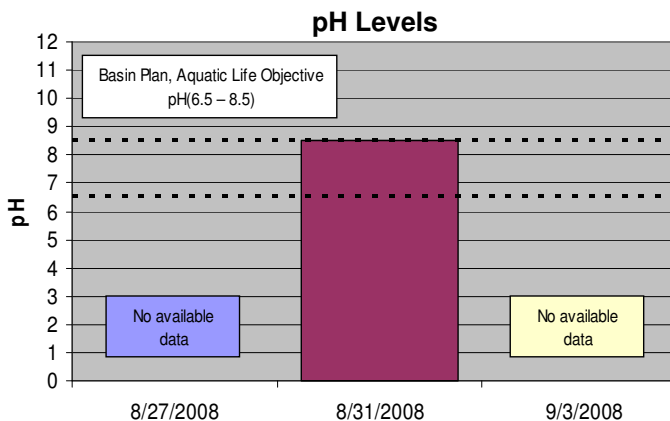
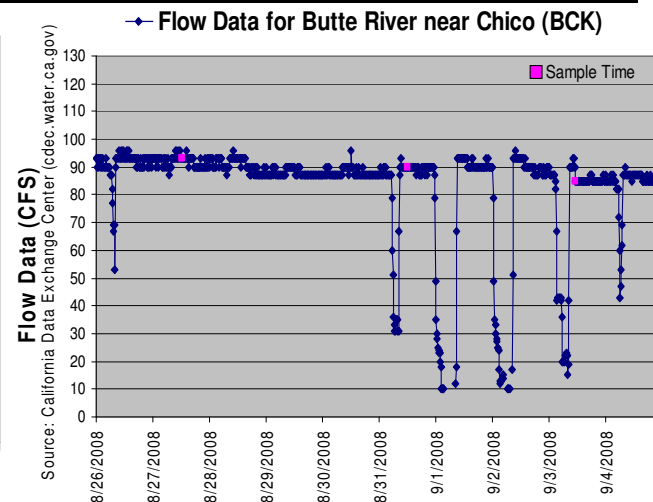
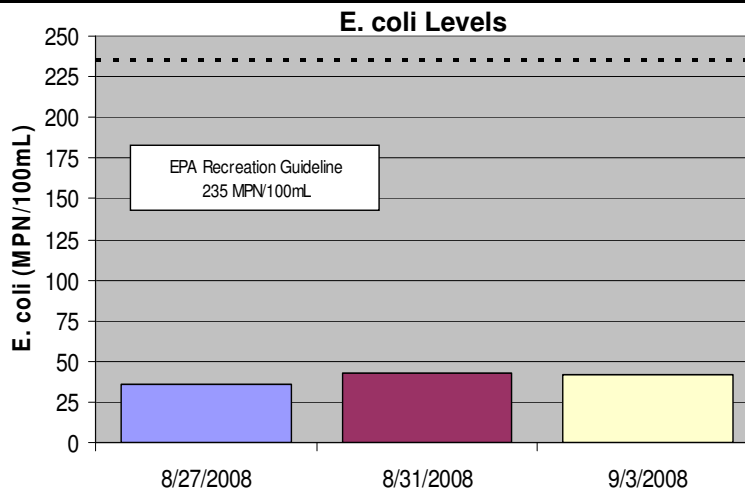


September 3, 2008 12:03PM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Butte Creek at Honey Run Bridge
 SWAMP Site ID: 520BUT900
 Watershed: Butte Creek Watershed
 County: Butte
 Longitude: -121.705280
 Latitude: 39.729000

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	35.9	43.2	41.4
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	113.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	8.5	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	20.8	n/a

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Upper San Antonio Creek @ in-flow of White Pines Lake (533CAL900)

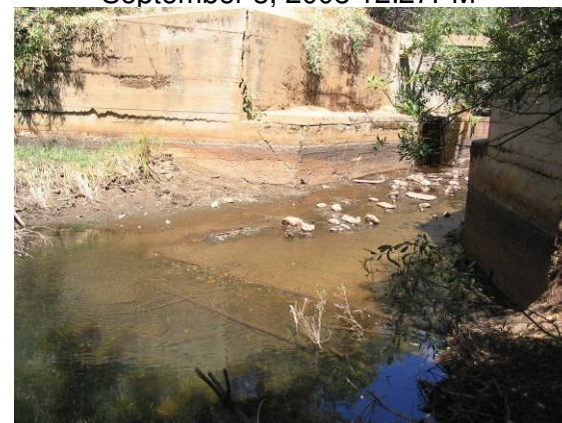
August 27, 2008 12:35PM



August 31, 2008 12:10PM

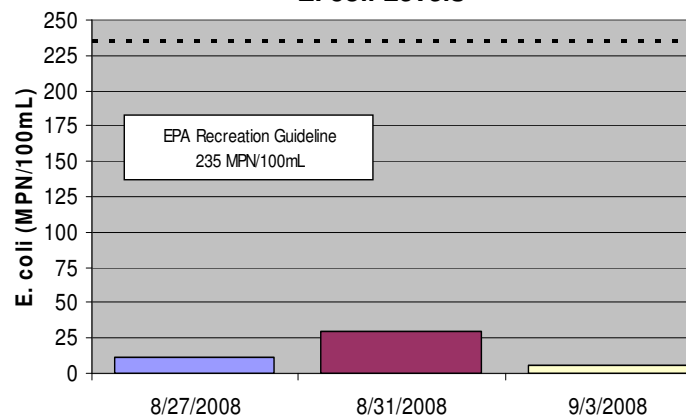


September 3, 2008 12:27PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

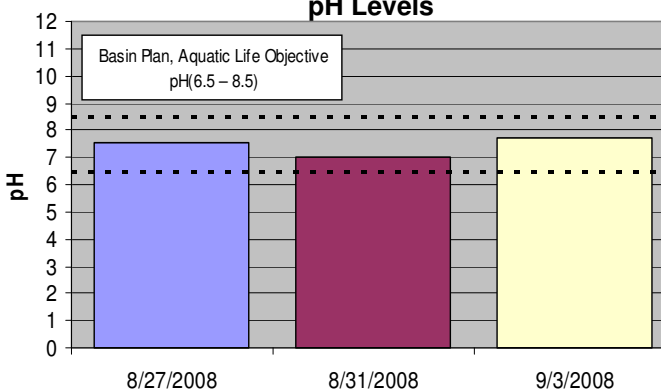
E. coli Levels



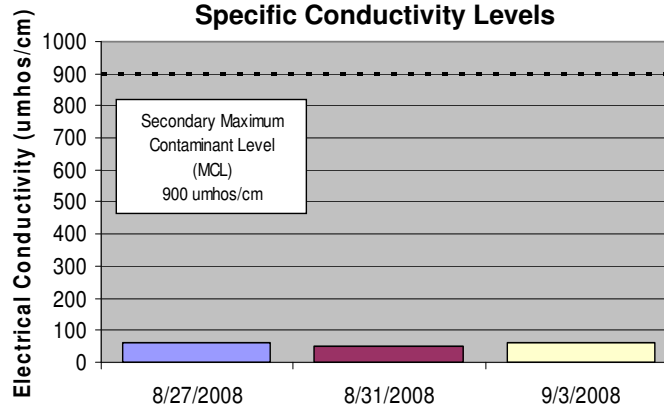
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

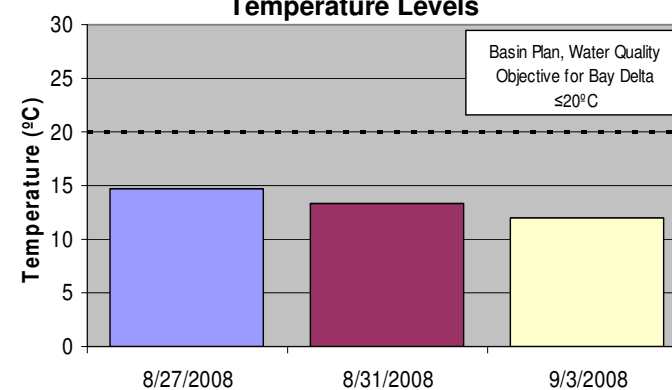
pH Levels



Specific Conductivity Levels



Temperature Levels



The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Upper San Antonio Creek @ in-flow of White Pines Lake
SWAMP Site ID: 533CAL900
Watershed: Calaveras River Watershed
County: Calaveras
Longitude: -120.340160
Latitude: 38.272200

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	12	30	5.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	62	50	62
pH	6.5-8.5 (Basin Plan Objective)	7.53	7.00	7.75
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	14.7	13.4	12.0

- NOTES: The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Upper San Antonio Creek @ out-flow of White Pines Lake (533CAL901)

August 27, 2008 13:15PM



August 31, 2008 11:35AM

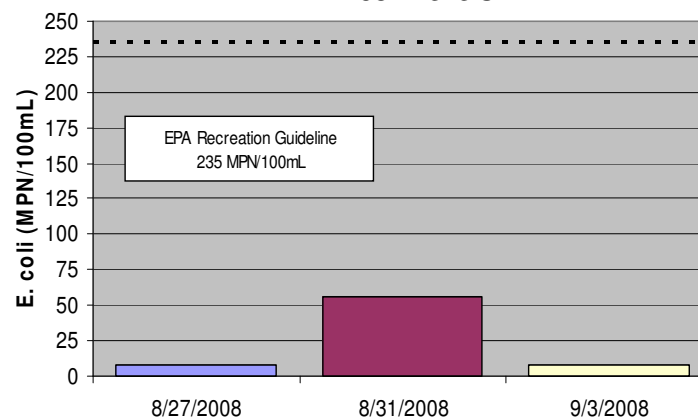


September 3, 2008 13:10PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

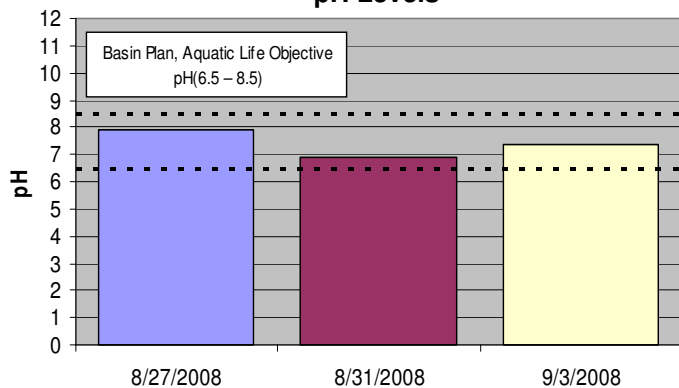
E. coli Levels



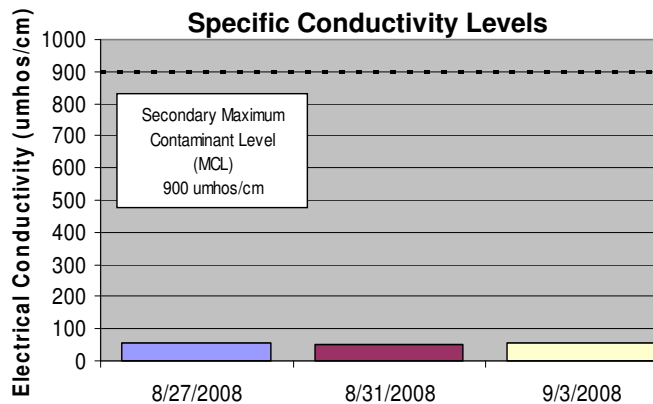
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

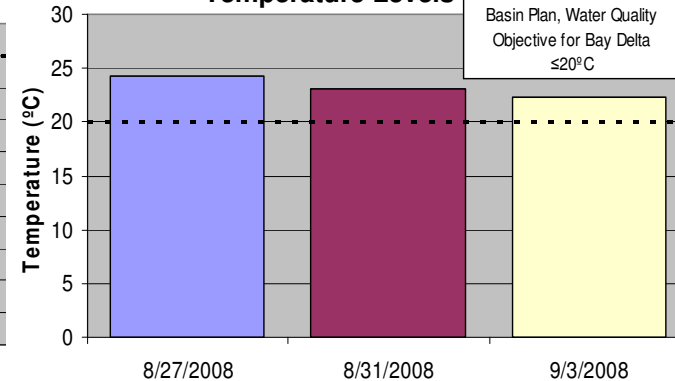
pH Levels



Specific Conductivity Levels



Temperature Levels



The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Upper San Antonio Creek @ out-flow of White Pines Lake
 SWAMP Site ID: 533CAL901
 Watershed: Calaveras River Watershed
 County: Calaveras
 Longitude: -120.344300
 Latitude: 38.267360

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	12	30	5.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	62	50	62
pH	6.5-8.5 (Basin Plan Objective)	7.53	7.00	7.75
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.2	23.0	22.3

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
 Shaded table cells contain values that do not meet the water quality guidelines.
 The Ebbetts Pass Forest Watch (EPFW) assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Clear Creek at SHY 273 Bridge (508SHA903)

August 27, 2008 14:41PM

No image available

August 31, 2008 13:35PM

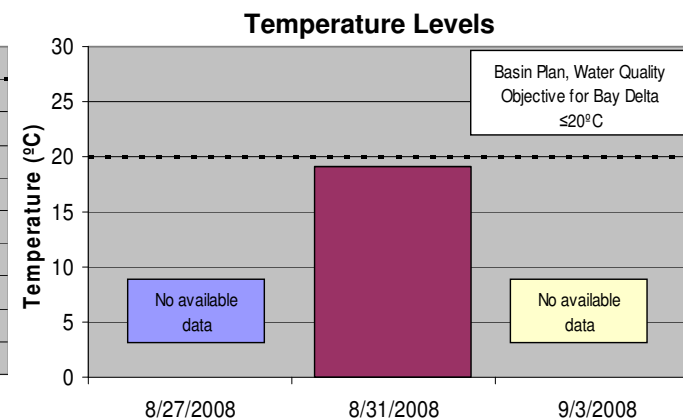
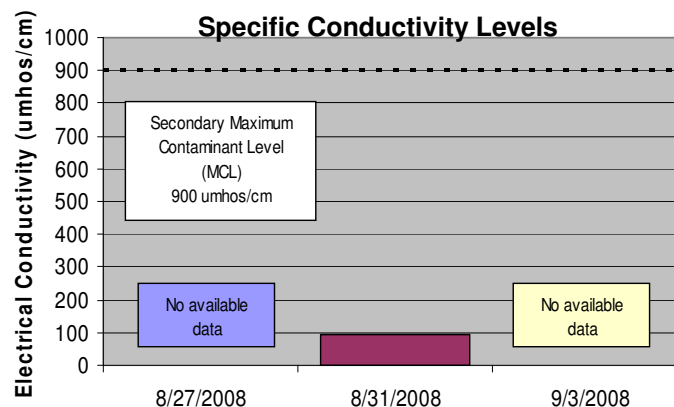
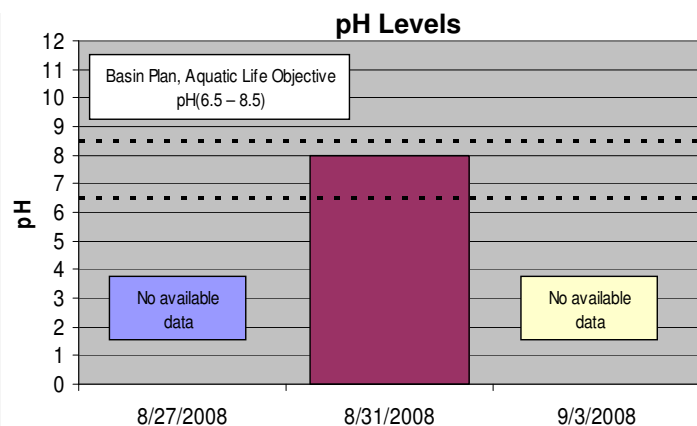
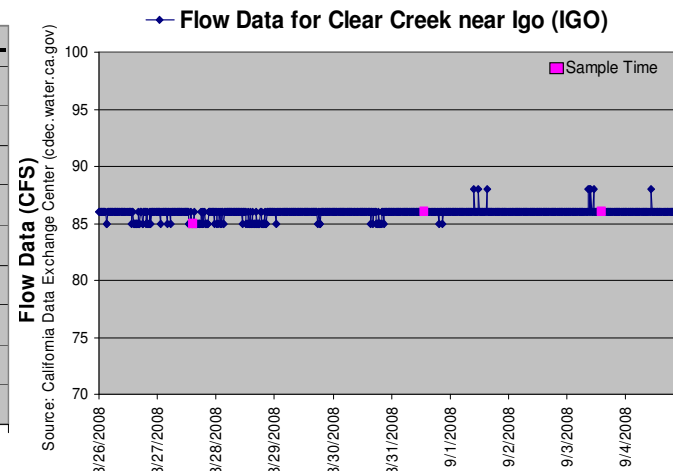
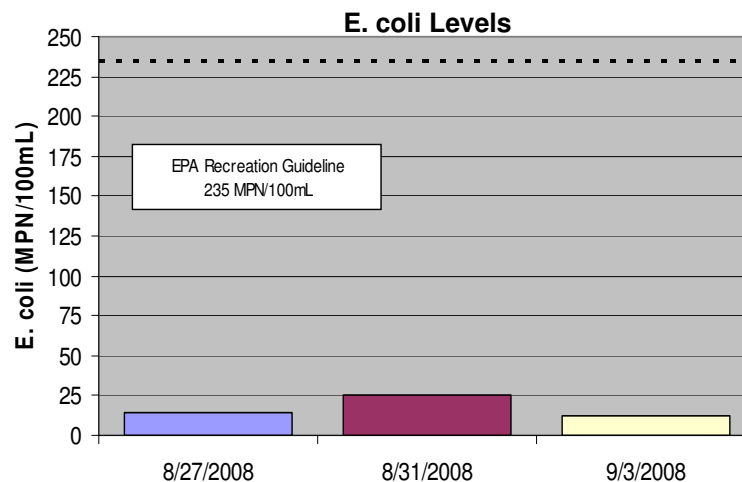


September 3, 2008 13:55PM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Clear Creek at SHY 273 Bridge
 SWAMP Site ID: 508SHA903
 Watershed: Clear Creek Watershed
 County: Shasta
 Longitude: -122.380028
 Latitude: 40.508943

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	14.5	25.6	12
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	92.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	8.0	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	19.1	n/a

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters

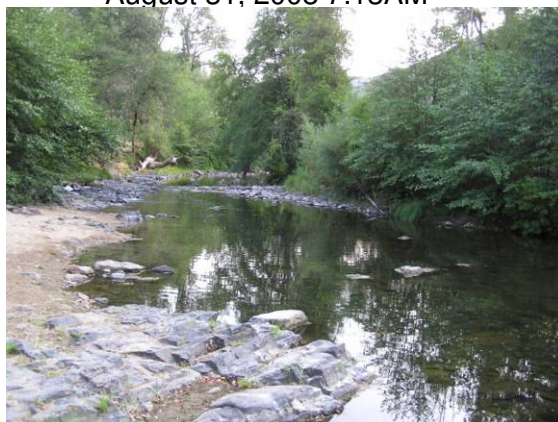
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Clear Creek at 299 Bridge (508SHA904)

August 27, 2008 8:05AM

No image available

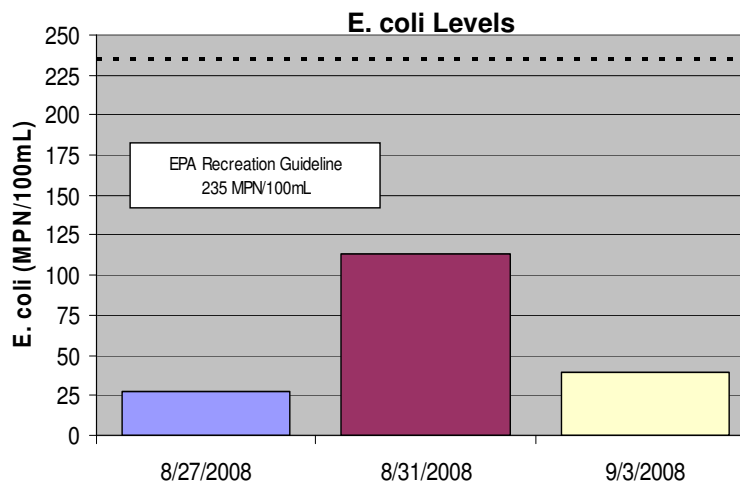
August 31, 2008 7:13AM



September 3, 2008 7:55AM

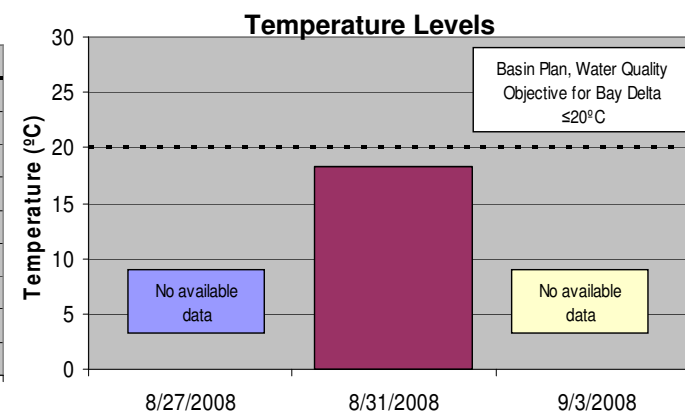
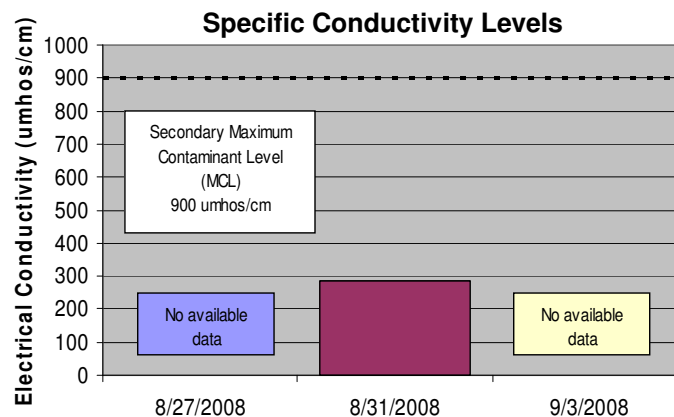
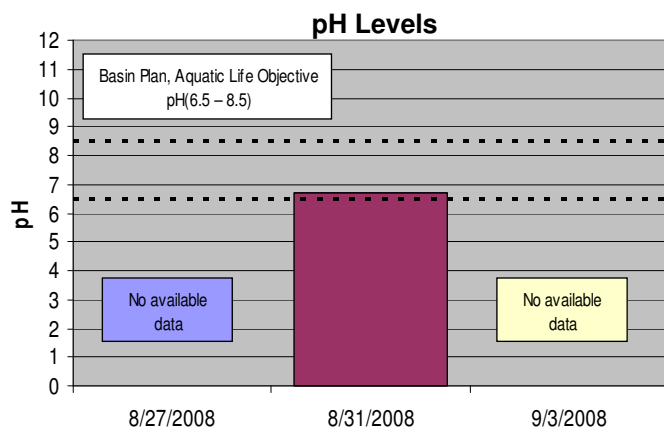
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The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Clear Creek at SHY 299 Bridge
 SWAMP Site ID: 508SHA904
 Watershed: Clear Creek Watershed
 County: Shasta
 Longitude: -122.635034
 Latitude: 40.664371

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	27.5	113.7	39.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	288	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	6.71	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	18.3	n/a

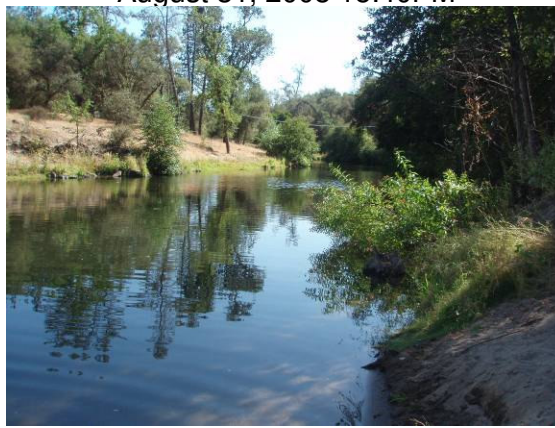
•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Cosumnes River at Gold Beach (523ELD003)

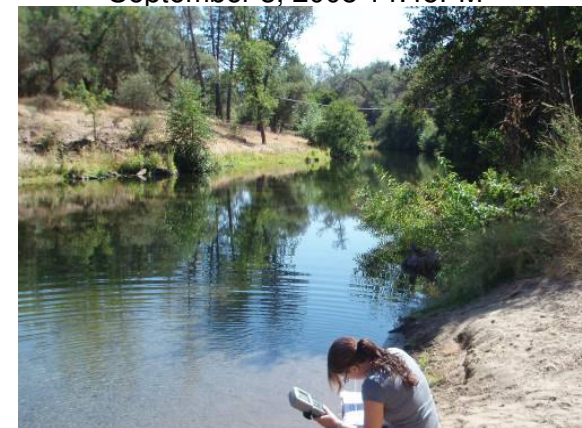
August 27, 2008 16:01PM



August 31, 2008 15:40PM

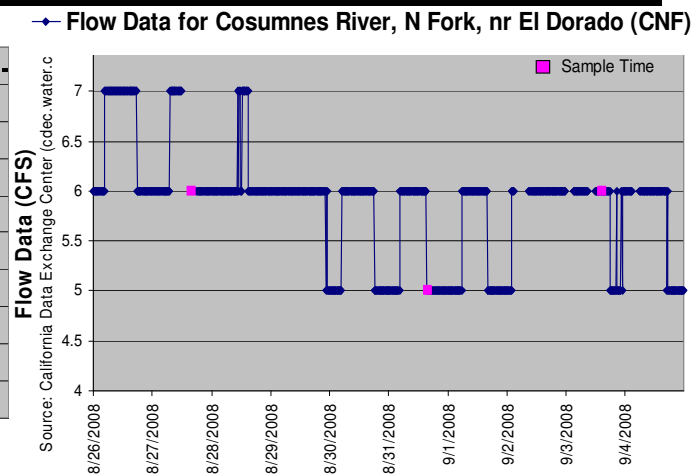
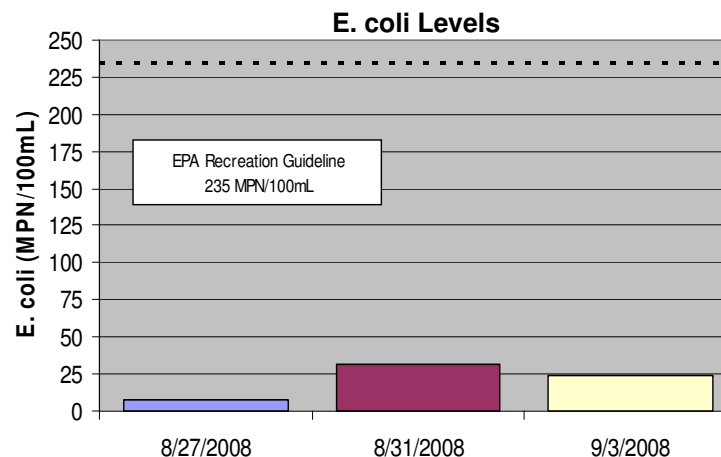


September 3, 2008 14:45PM

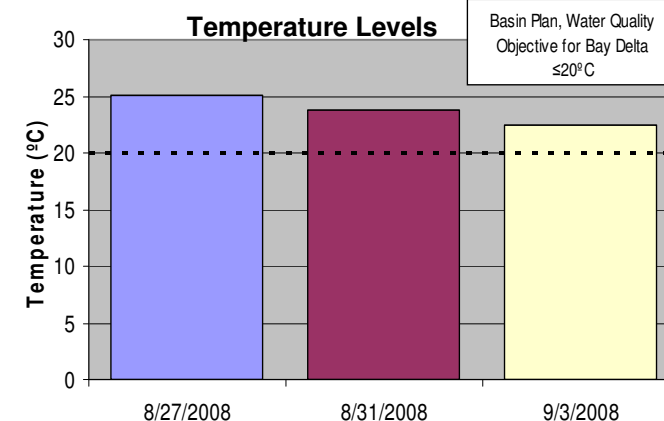
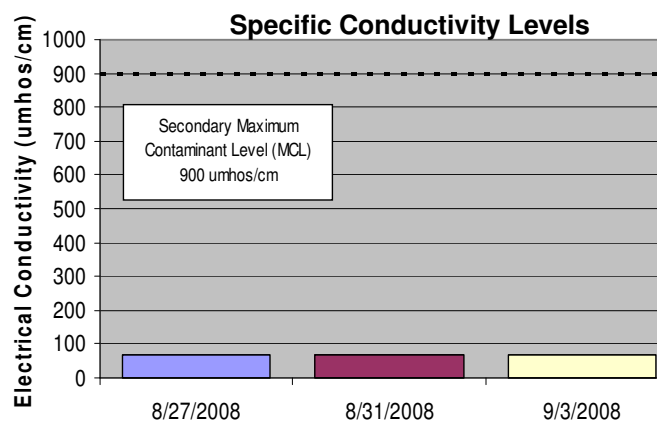
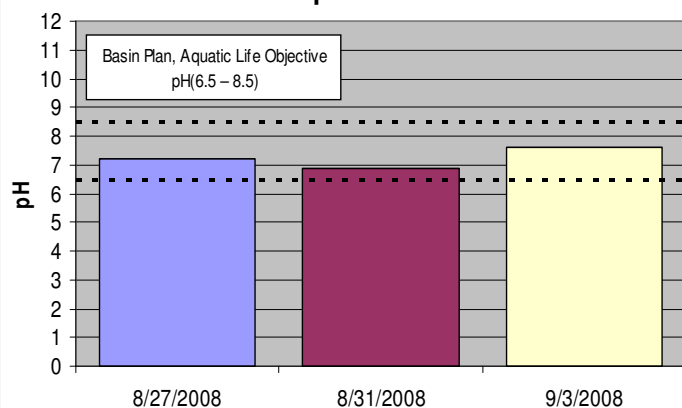


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



pH Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Cosumnes River at Gold Beach
 SWAMP Site ID: 523ELD003
 Watershed: Cosumnes River Watershed
 County: El Dorado
 Longitude: -120.846389
 Latitude: 38.559167

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	7.4	32	23.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	66	66	66
pH	6.5-8.5 (Basin Plan Objective)	7.21	6.85	7.6
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.01	23.83	22.4

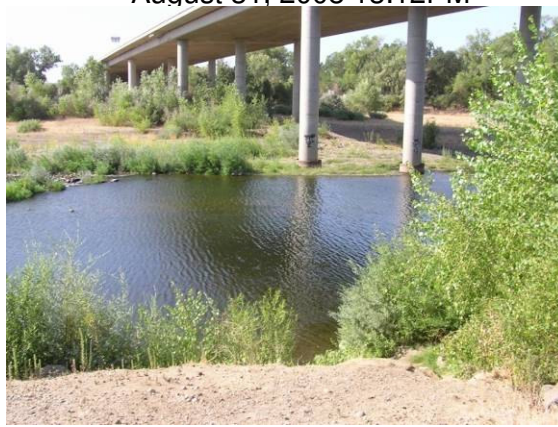
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Cottonwood Creek at Interstate 5 Bridge (508SHA900)

August 27, 2008 13:57PM

No image available

August 31, 2008 13:12PM

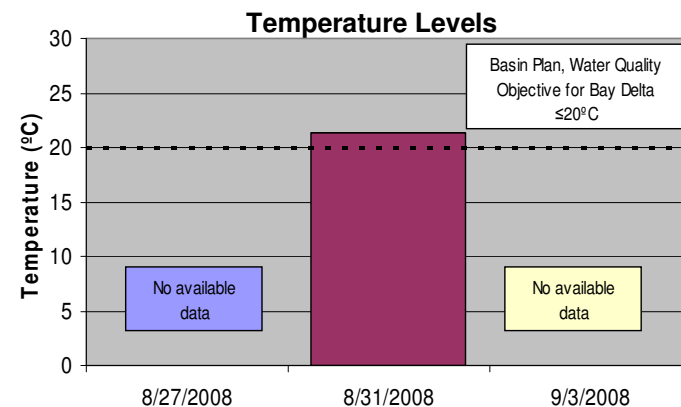
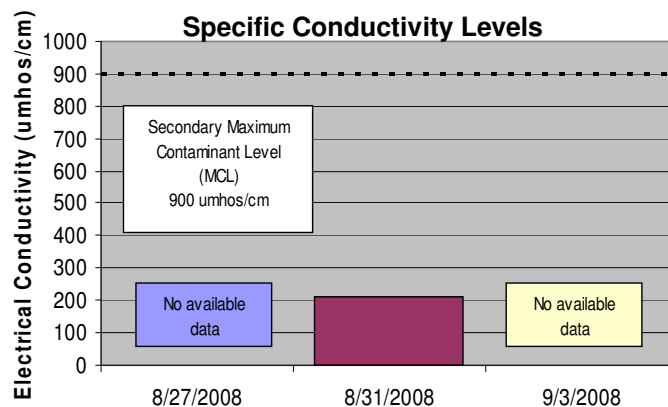
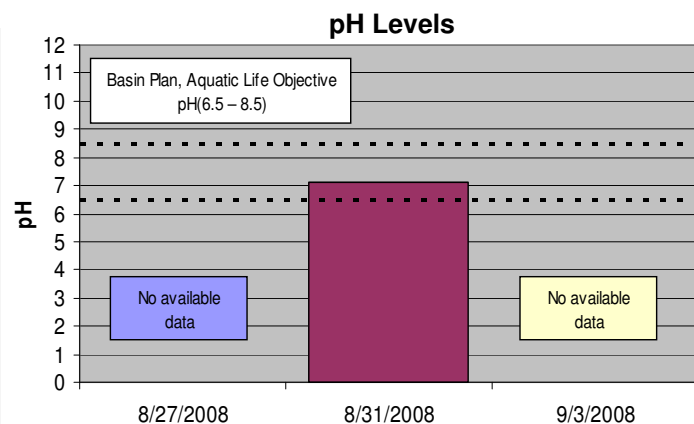
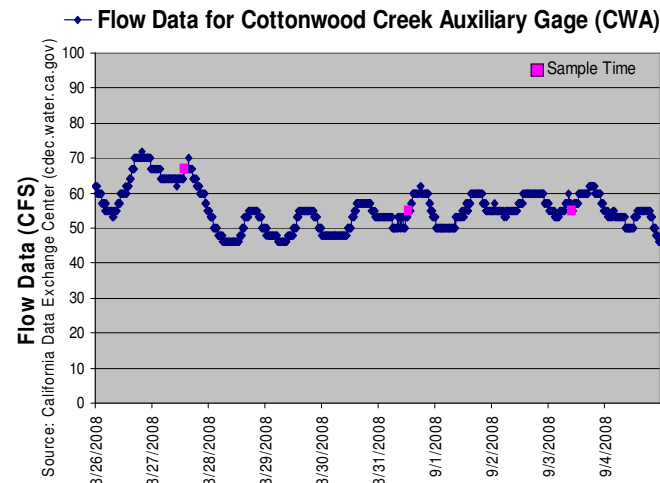
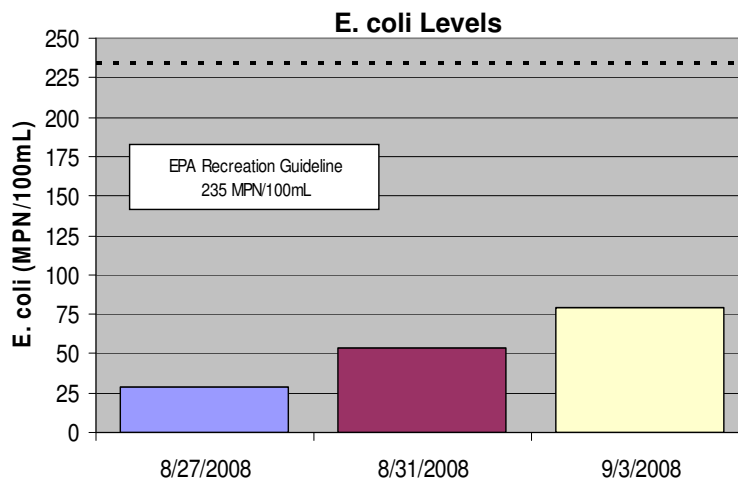


September 3, 2008 10:13AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Cottonwood Creek at Interstate 5 Bridge
 SWAMP Site ID: 508SHA900
 Watershed: Cottonwood Creek Watershed
 County: Shasta
 Longitude: -122.285100
 Latitude: 40.377137

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	29.2	53.7	79.4
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	212.1	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.12	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	21.4	n/a

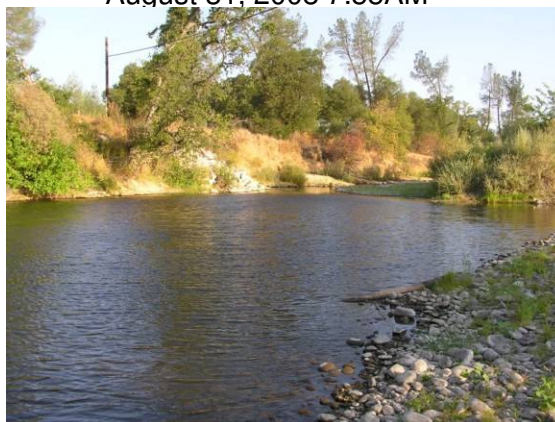
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Cow Creek at SHY 44 Bridge (508SHA902)

August 27, 2008 10:09AM

No image available

August 31, 2008 7:55AM



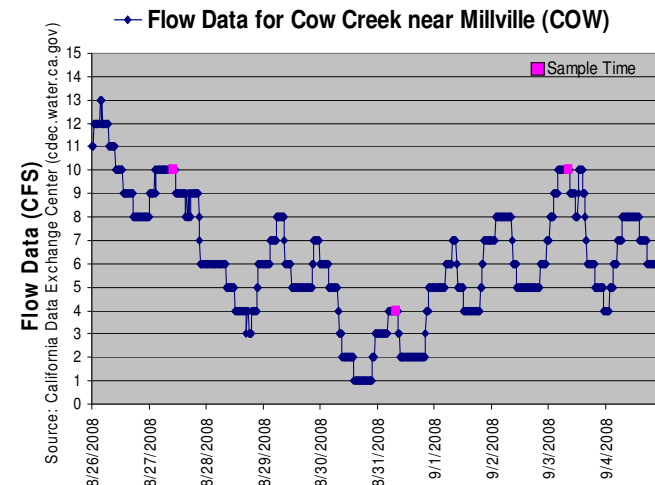
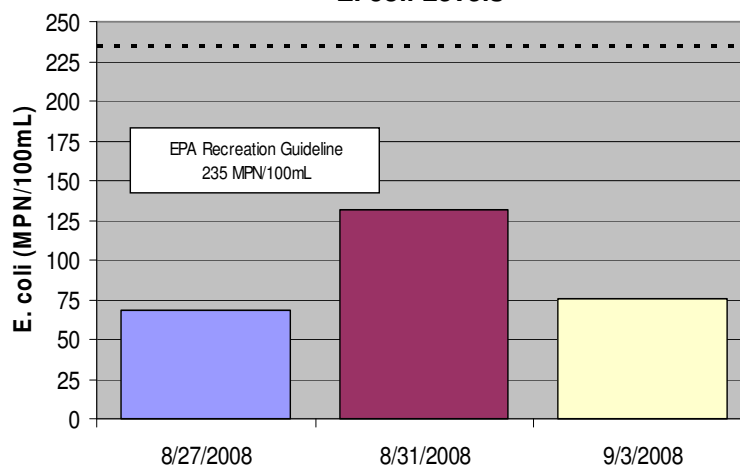
September 3, 2008 8:34AM

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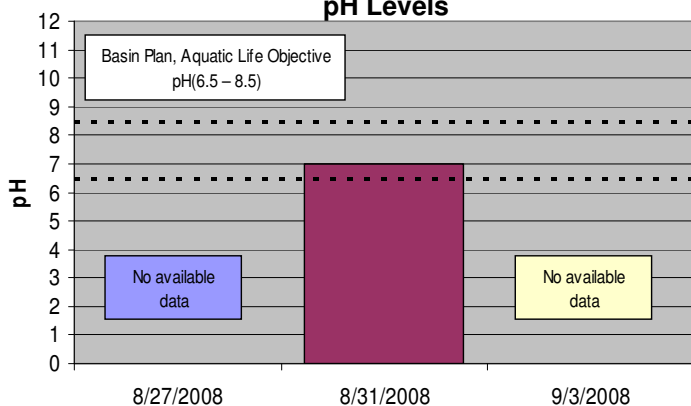
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

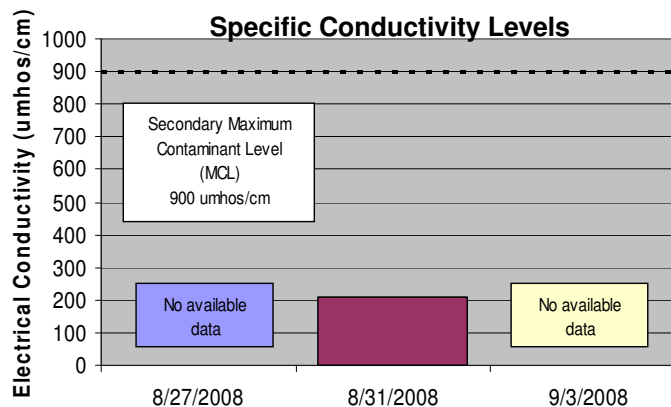
E. coli Levels



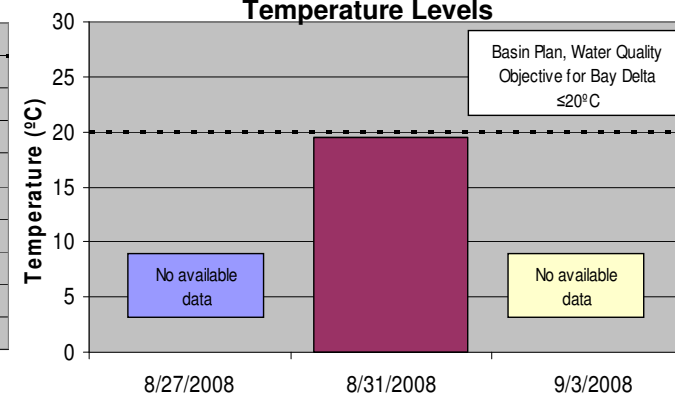
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Cow Creek at SHY 44 Bridge
 SWAMP Site ID: 508SHA902
 Watershed: Cow Creek Watershed
 County: Shasta
 Longitude: -122.230904
 Latitude: 40.554932

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	68.3	131.4	75.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	n/a	211	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.01	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	19.5	n/a

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Squirrel Creek in Western Gateway Park, Penn Valley (516NEV906)

August 27, 2008 13:35PM



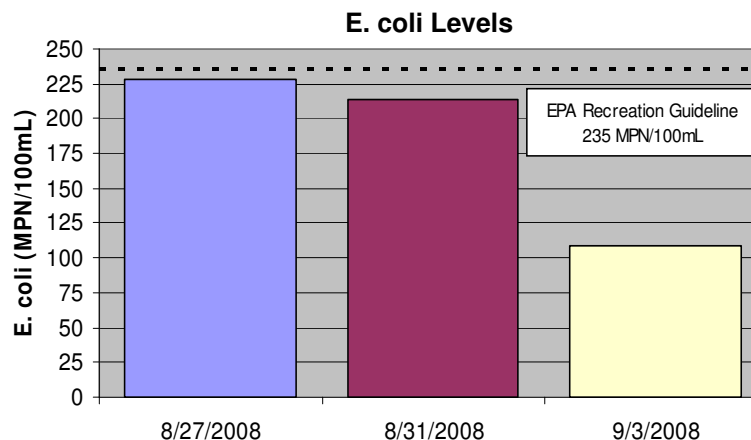
August 31, 2008 13:50PM



September 3, 2008 13:50PM

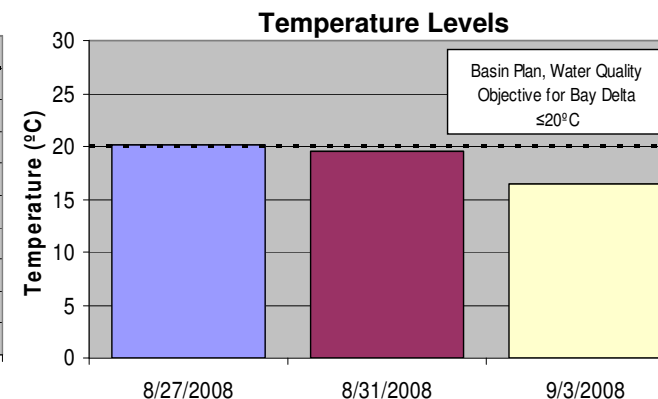
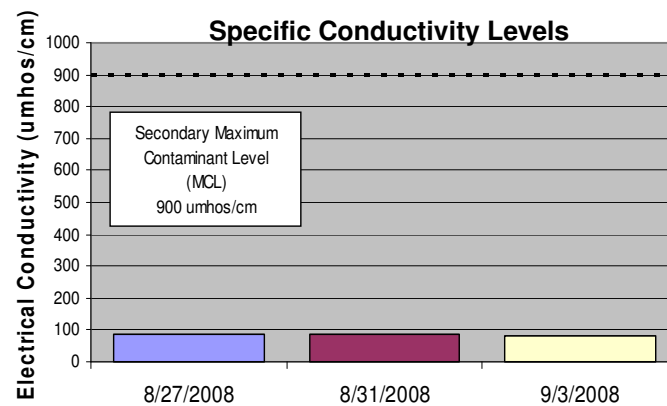
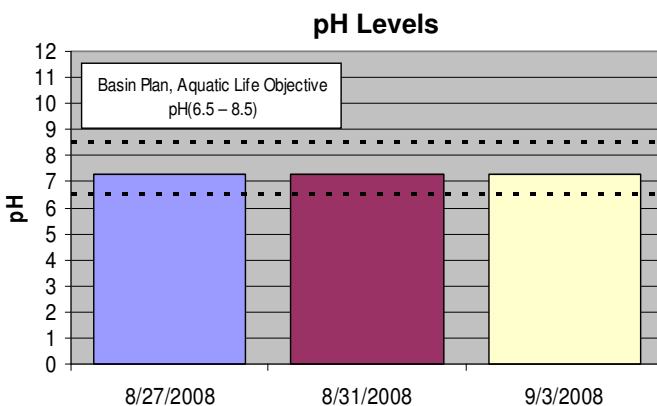


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The Friends of Deer Creek assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

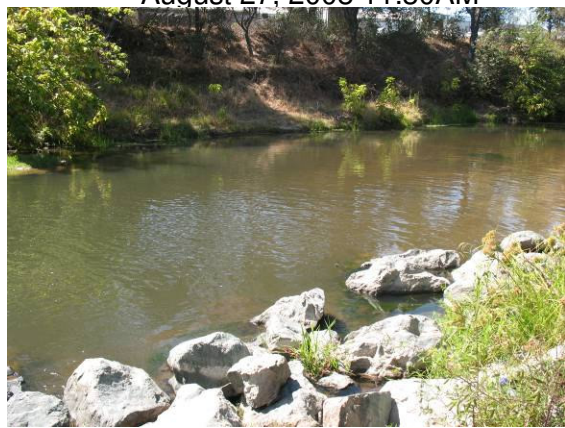
Description of Sample Site: Squirrel Creek in Western Gateway Park, Penn Valley
 SWAMP Site ID: 516NEV906
 Watershed: Deer Creek Watershed
 County: Nevada
 Longitude: -121.190609
 Latitude: 39.204047

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	228.2	214.2	108.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	84.9	84.7	80.3
pH	6.5-8.5 (Basin Plan Objective)	7.28	7.30	7.28
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.1	19.6	16.5

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance (QA) parameters. The duplicate QA field sample on 8/27/08 exceeded the 235 MPN/100mL EPA guideline with a value of 260.3 MPN/100mL
- Shaded table cells contain values that do not meet the water quality guidelines
- The Friends of Deer Creek assisted with field collection at this site

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Dry Creek/Cirby Confluence (531PLA900)

August 27, 2008 11:30AM



August 31, 2008 11:42AM

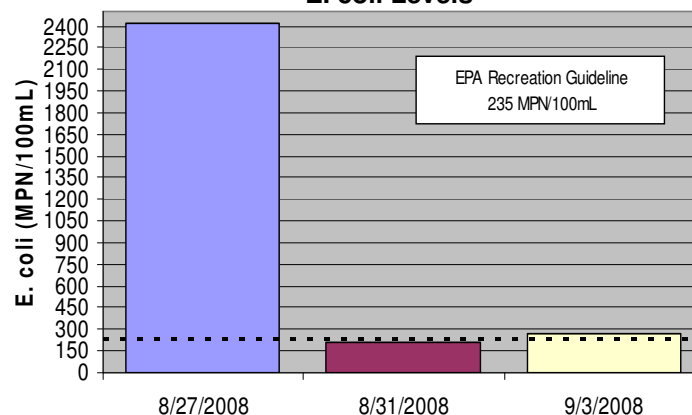


September 3, 2008 12:34PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

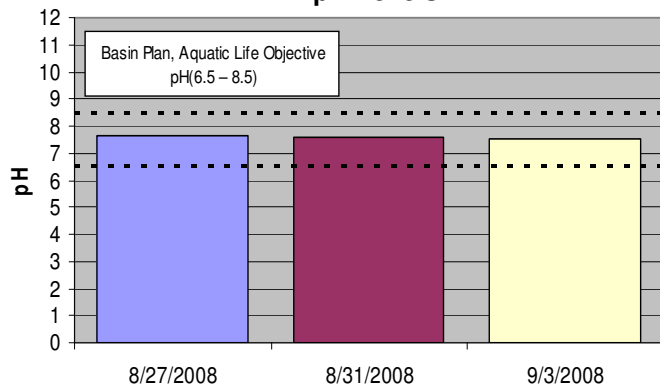
E. coli Levels



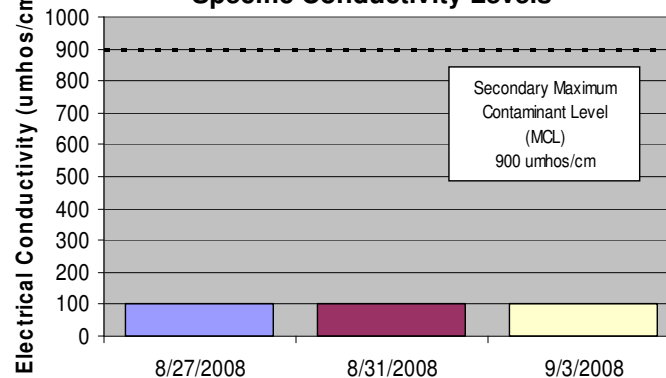
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

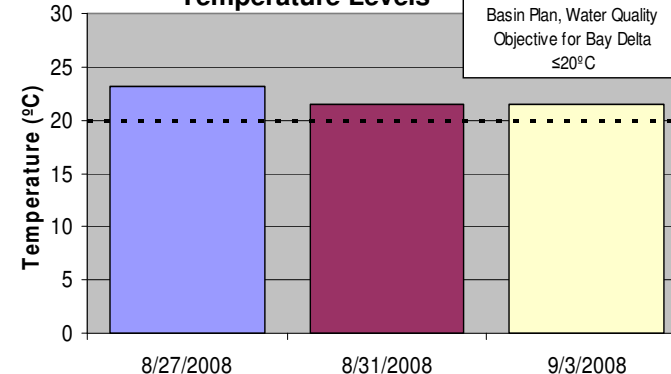
pH Levels



Specific Conductivity Levels



Temperature Levels



The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

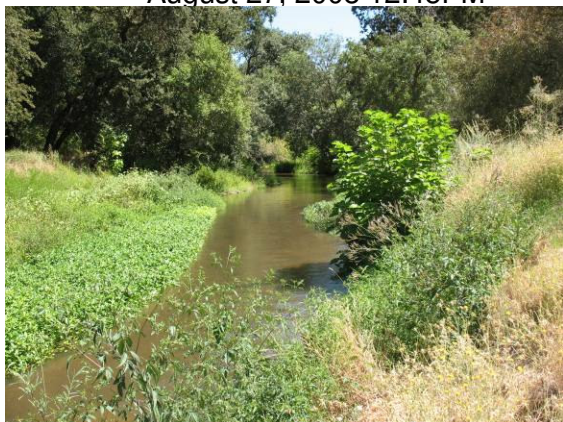
Description of Sample Site: Dry Creek/Cirby Confluence
 SWAMP Site ID: 531PLA900
 Watershed: Dry Creek Watershed
 County: Placer
 Longitude: -121.288483
 Latitude: 38.733467

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2419.6	209.8	272.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	100.3	104.0	103.4
pH	6.5-8.5 (Basin Plan Objective)	7.65	7.57	7.50
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	23.1	21.5	21.5

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Dry Creek @ Walerga Bridge (531PLA901)

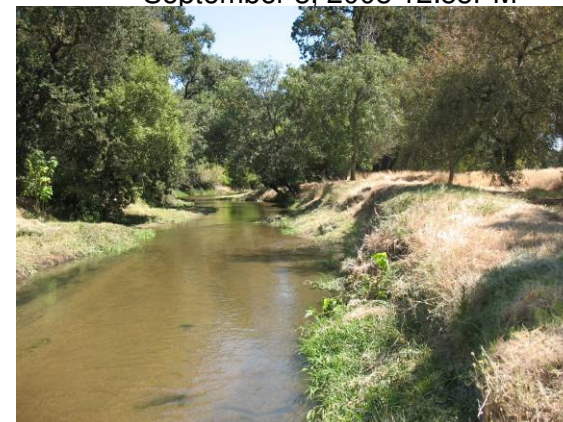
August 27, 2008 12:45PM



August 31, 2008 12:13PM

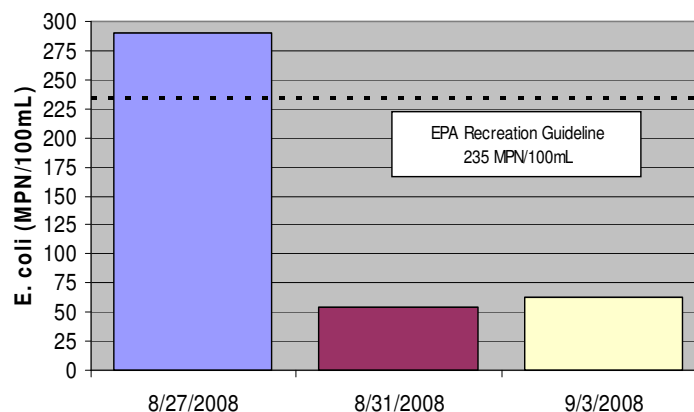


September 3, 2008 12:55PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

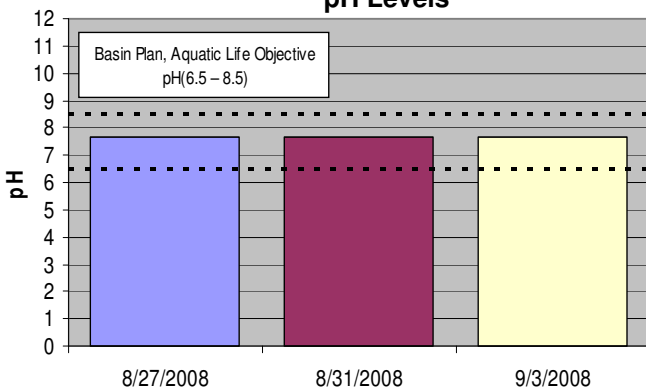
E. coli Levels



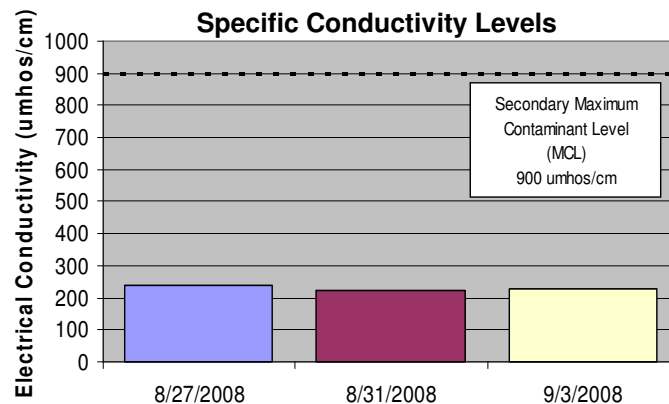
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

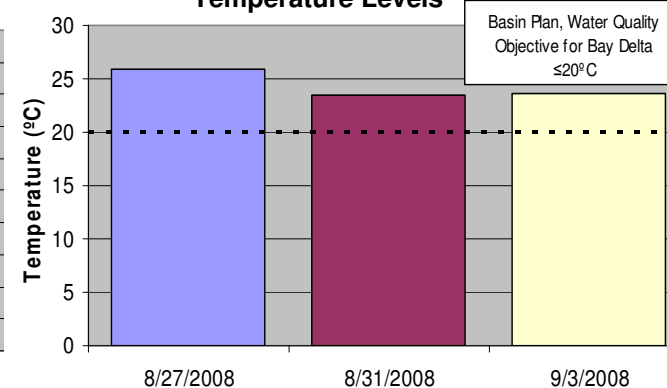
pH Levels



Specific Conductivity Levels



Temperature Levels



The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: _____ Dry Creek at Walerga Bridge
 SWAMP Site ID: _____ 531PLA901
 Watershed: _____ Dry Creek Watershed
 County: _____ Placer
 Longitude: _____ -121.364497
 Latitude: _____ 38.736935

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	290.9	54.5	63.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	240.5	223.7	226.7
pH	6.5-8.5 (Basin Plan Objective)	7.64	7.69	7.68
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.9	23.5	23.7

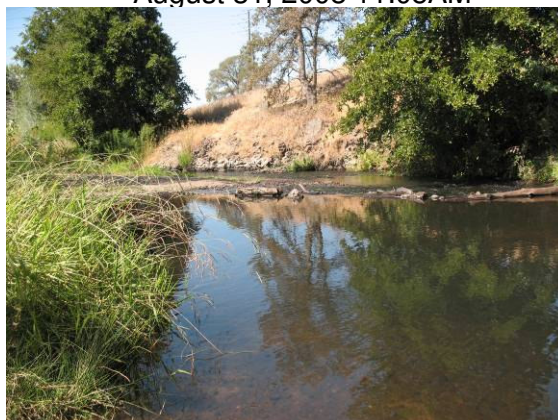
- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
 Shaded table cells contain values that do not meet the water quality guidelines.
 The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Miners Ravine/Secret Ravine Confluence (531PLA902)

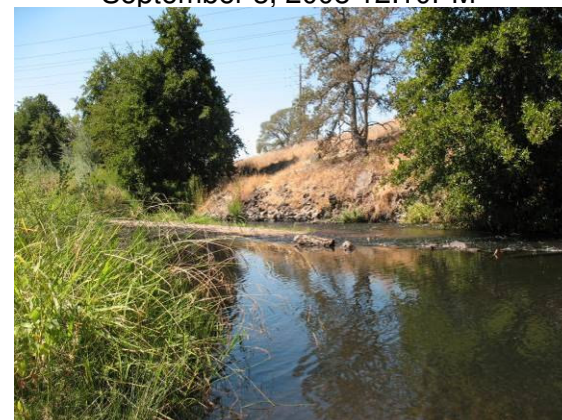
August 27, 2008 11:10AM



August 31, 2008 11:05AM

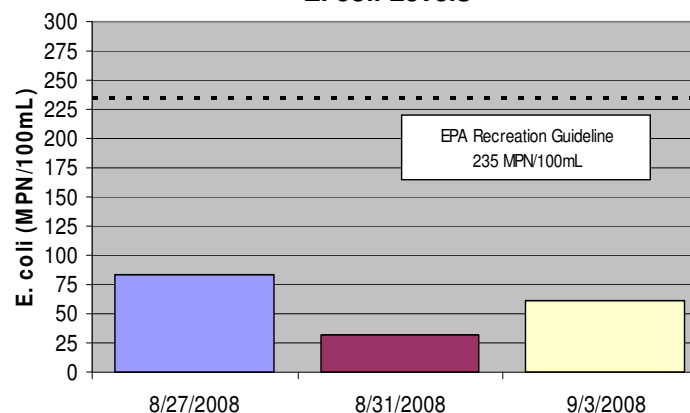


September 3, 2008 12:10PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

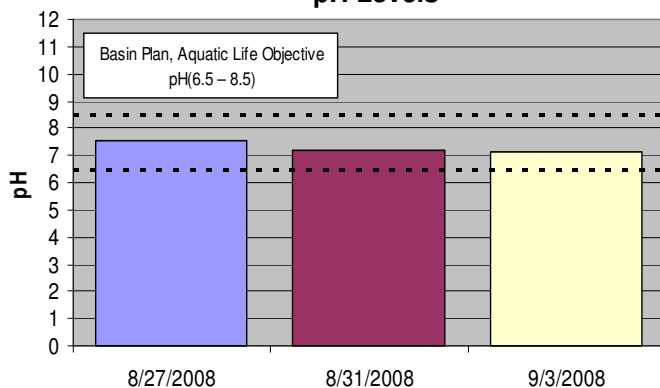
E. coli Levels



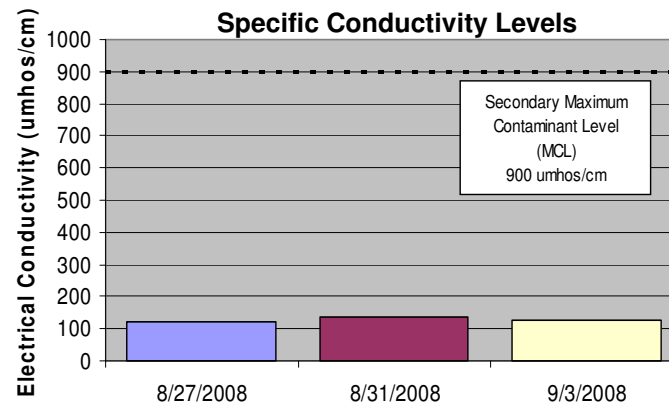
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

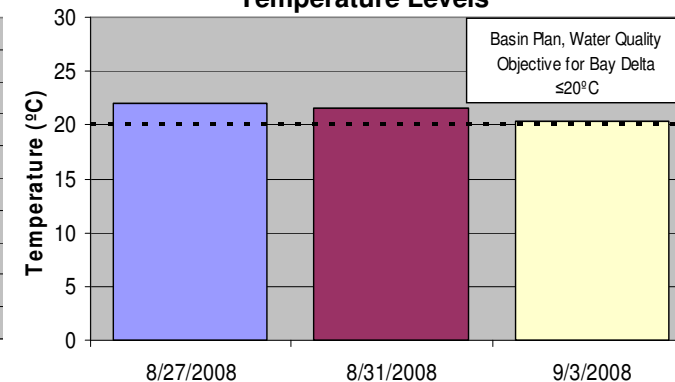
pH Levels



Specific Conductivity Levels



Temperature Levels



The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

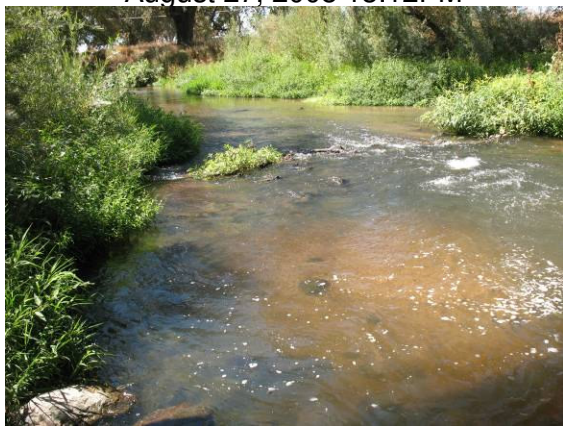
Description of Sample Site: Miners Ravine/Secret Ravine Confluence
 SWAMP Site ID: 531PLA902
 Watershed: Dry Creek Watershed
 County: Placer
 Longitude: -121.256633
 Latitude: 38.759750

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	83.3	31.8	61.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	119.0	136.5	124.8
pH	6.5-8.5 (Basin Plan Objective)	7.56	7.19	7.14
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	22.0	21.5	20.4

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Dry Creek @ Hayer Dam (531SAC900)

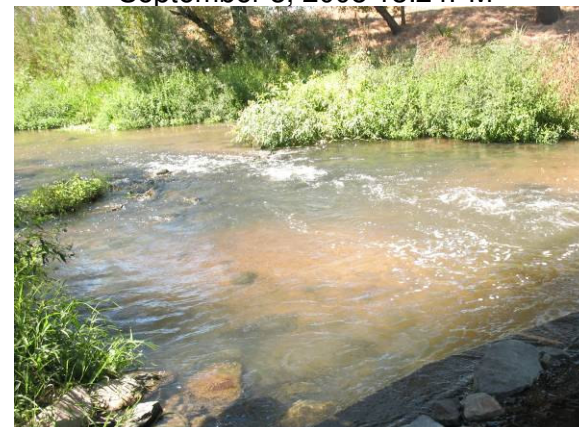
August 27, 2008 13:12PM



August 31, 2008 12:47PM

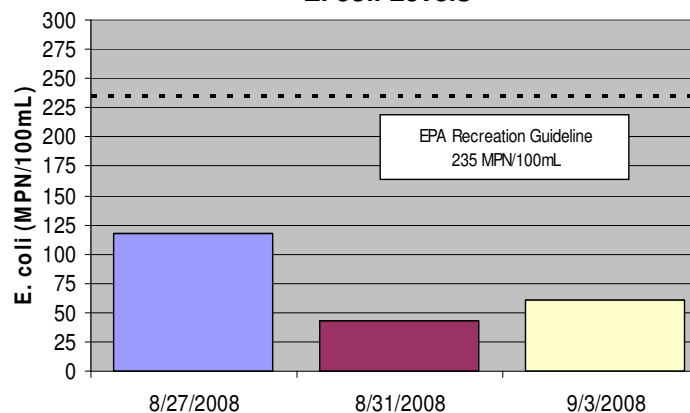


September 3, 2008 13:24PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

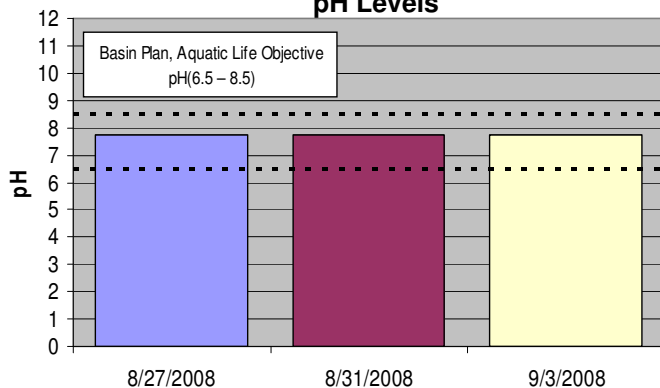
E. coli Levels



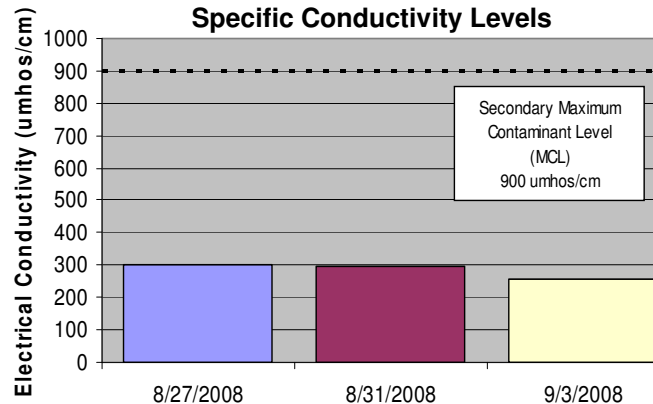
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

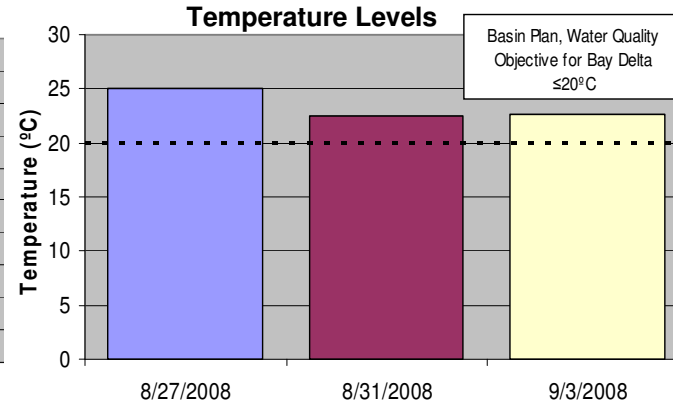
pH Levels



Specific Conductivity Levels



Temperature Levels



The American Basin Council of Watersheds (ABCW) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Dry Creek at Hayer Dam
 SWAMP Site ID: 531SAC900
 Watershed: Dry Creek Watershed
 County: Sacramento
 Longitude: -121.446167
 Latitude: 38.680388

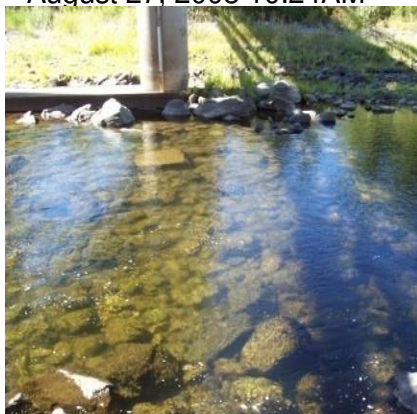
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	117.8	43.2	60.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	299.5	295.7	257.6
pH	6.5-8.5 (Basin Plan Objective)	7.74	7.73	7.74
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.0	22.5	22.7

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The American Basin Council of Watersheds (ABCW) assisted with field collection at this site.

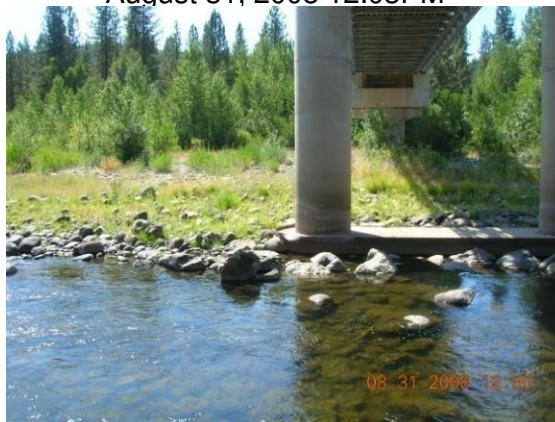
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Feather River at Middle Fork Sloat (518PLU901)

August 27, 2008 10:24AM



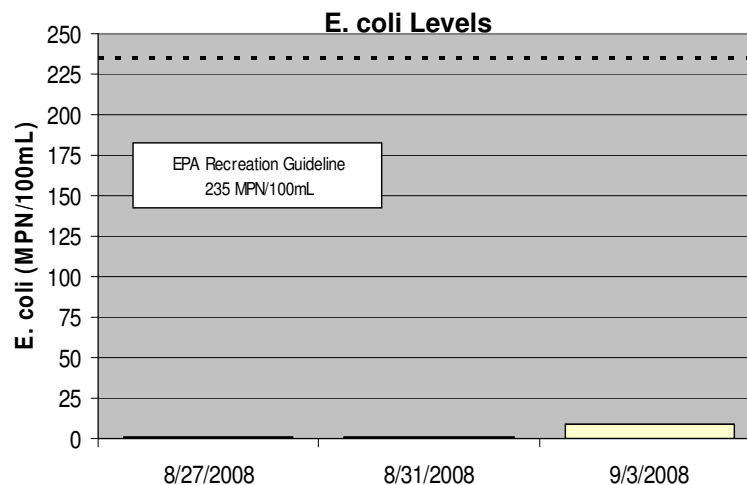
August 31, 2008 12:03PM



September 3, 2008 9:36AM

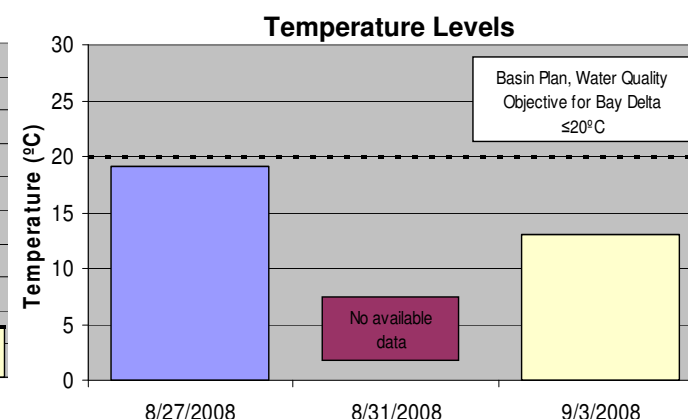
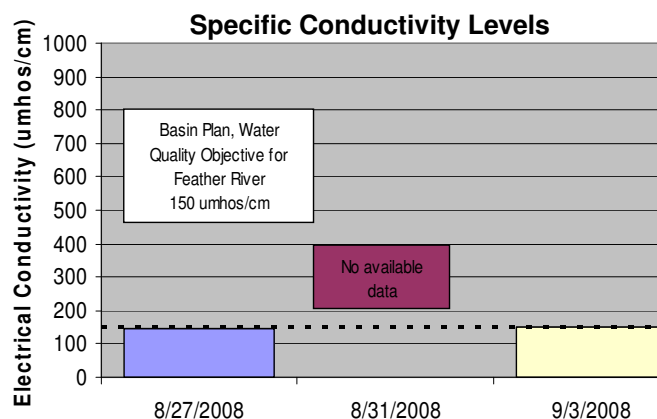
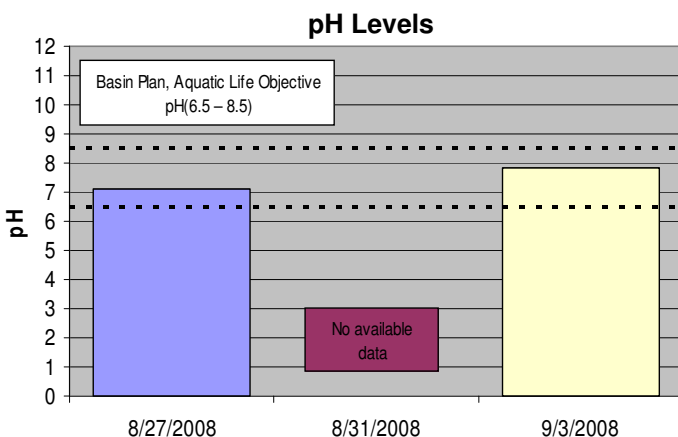
No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: _____ Feather River at Middle Fork Sloat
 SWAMP Site ID: _____ 518PLU901
 Watershed: _____ Feather River Watershed
 County: _____ Plumas
 Longitude: _____ -120.727890
 Latitude: _____ 39.860850

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	1	8.6
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for Feather River)	147.9	n/a	148.4
pH	6.5-8.5 (Basin Plan Objective)	7.12	n/a	7.85
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.1	n/a	13.1

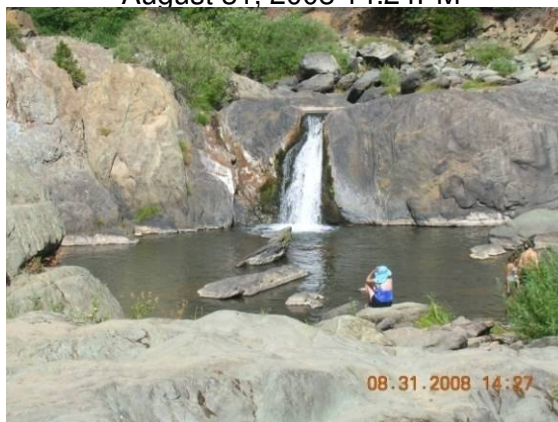
•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Indian Creek at Indian Falls near Hwy 89 (518INABSP)

August 27, 2008 12:45PM

No image available

August 31, 2008 14:24PM

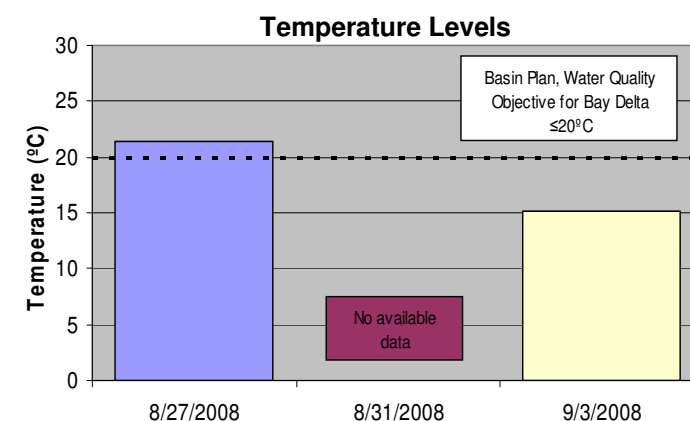
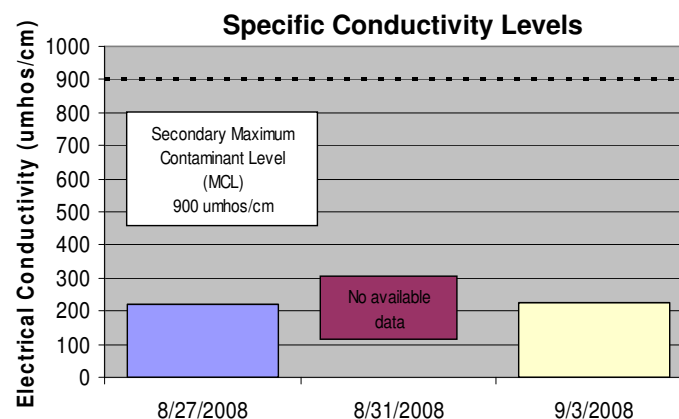
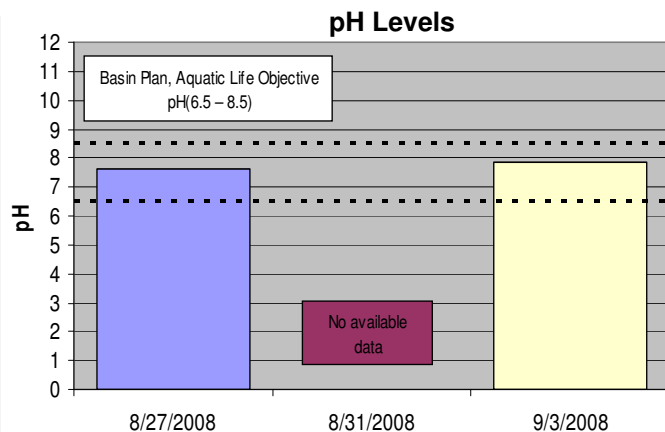
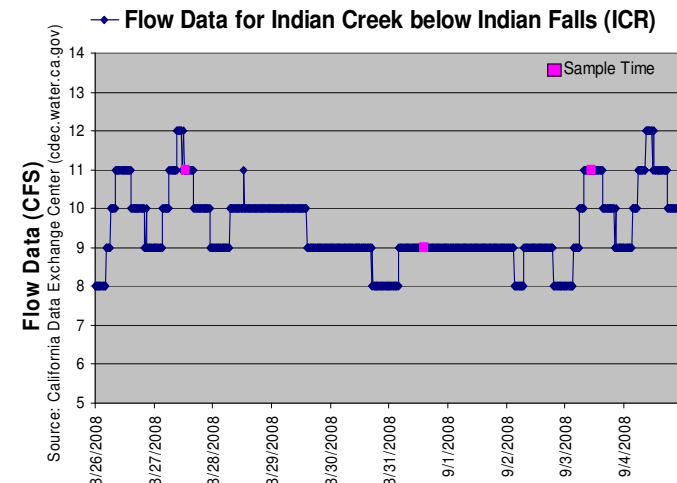
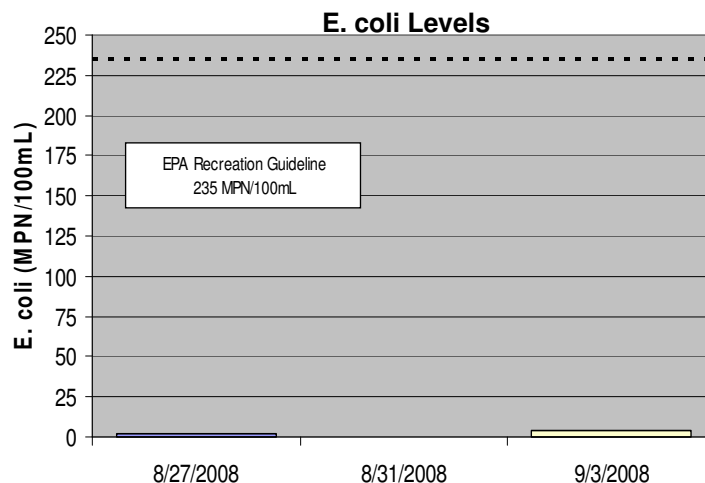


September 3, 2008 11:02AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

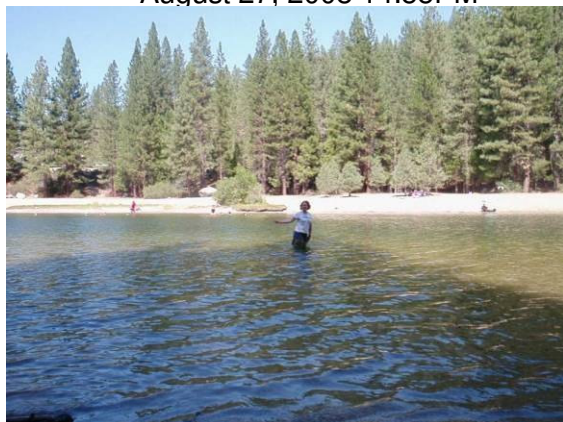
Description of Sample Site: Indian Creek at Indian Falls near Hwy 89
 SWAMP Site ID: 518INABSP
 Watershed: Indian Creek Watershed
 County: Plumas
 Longitude: -120.961380
 Latitude: 40.059120

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	<1	4.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	220.8	n/a	224.5
pH	6.5-8.5 (Basin Plan Objective)	7.61	n/a	7.68
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	21.4	n/a	15.1

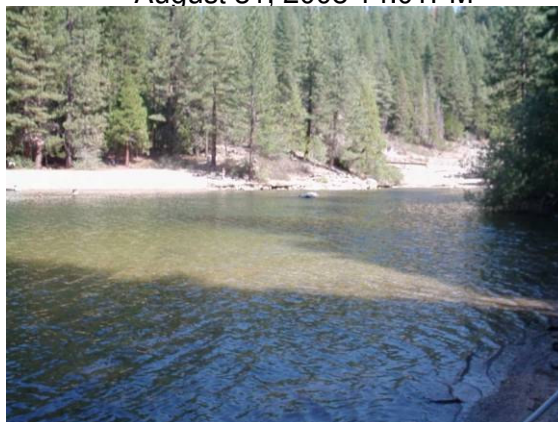
•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Ten Mile Creek at Hume Lake (552HUM020)

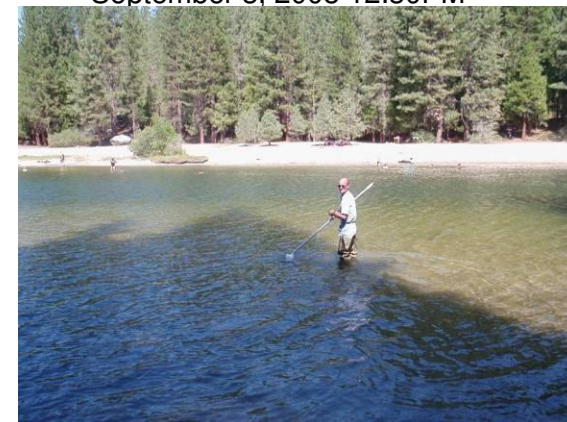
August 27, 2008 14:55PM



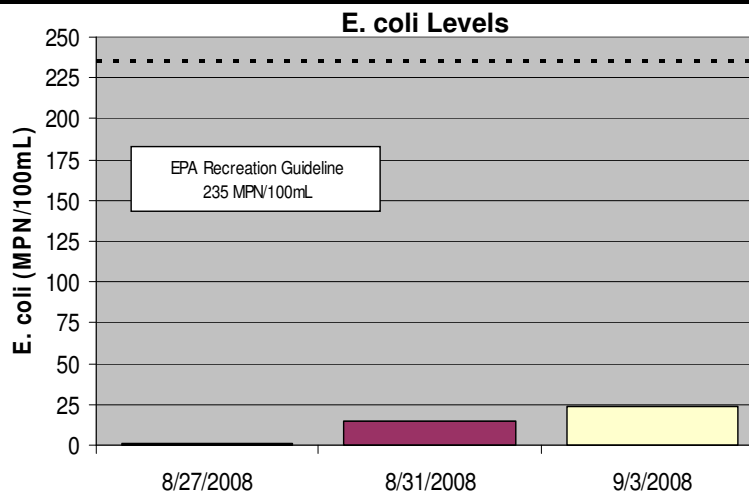
August 31, 2008 14:01PM



September 3, 2008 12:30PM

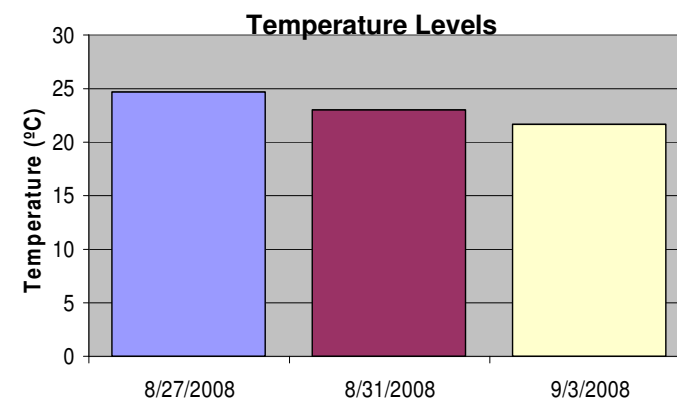
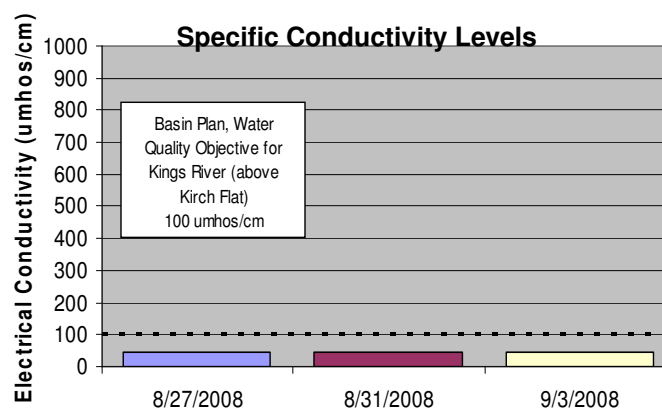
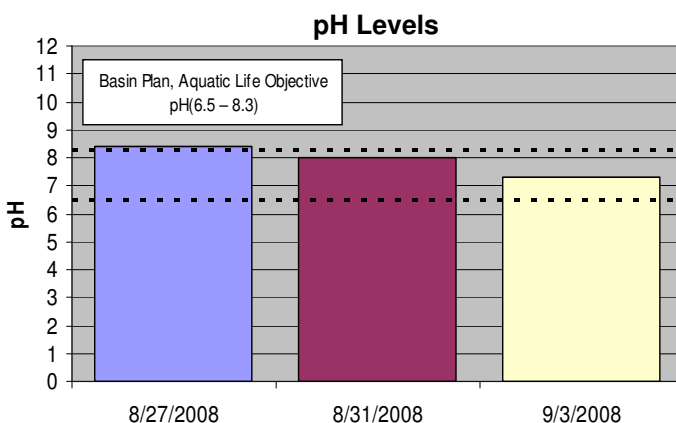


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Ten Mile Creek at Hume Lake
 SWAMP Site ID: 552HUM020
 Watershed: South Fork Kings River Watershed
 County: Fresno
 Longitude: -118.90042
 Latitude: 36.786778

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	14.4	23.8
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	44.2	44.7	44.0
pH	6.5-8.3 (Basin Plan Objective)	8.40	8.00	7.31
Temperature (° Celsius)	None available	24.7	23.1	21.7

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Long Meadow Creek at Hume Lake (552HUM030)

August 27, 2008 14:30PM



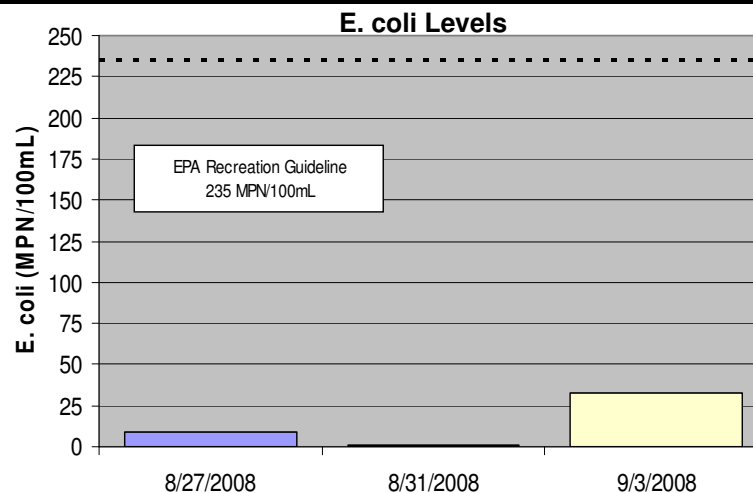
August 31, 2008 13:48PM



September 3, 2008 12:22PM

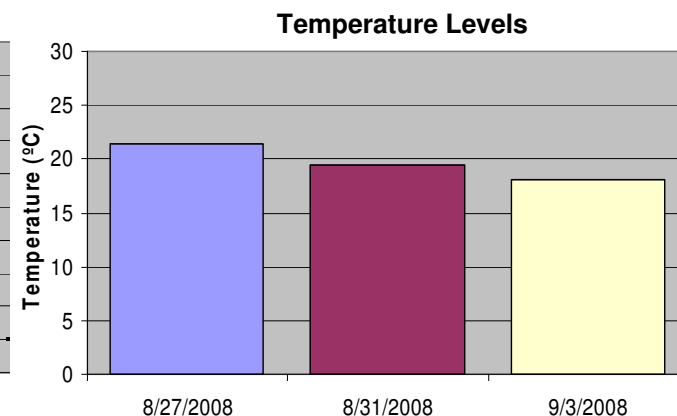
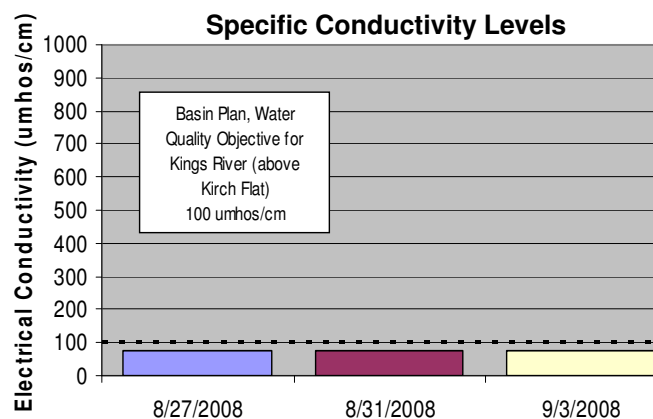
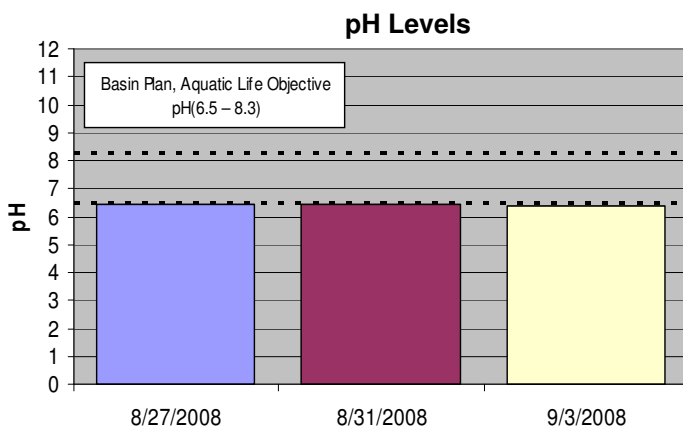


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Long Meadow Creek at Hume Lake
 SWAMP Site ID: 552HUM030
 Watershed: South Fork Kings River Watershed
 County: Fresno
 Longitude: -118.913579
 Latitude: 36.787113

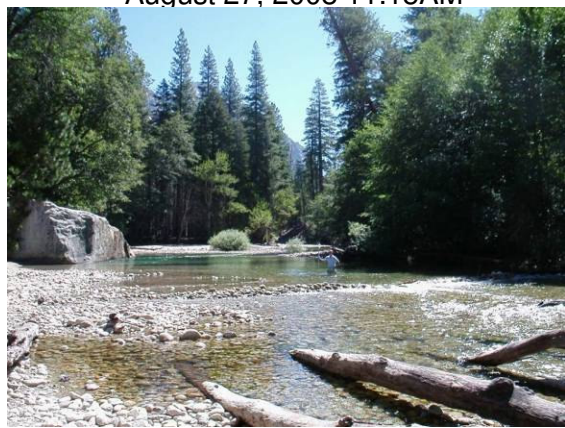
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	8.6	1	32.7
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	73.5	76.8	75.3
pH	6.5-8.3 (Basin Plan Objective)	6.45	6.45	6.40
Temperature (° Celsius)	None available	21.4	19.5	18.1

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

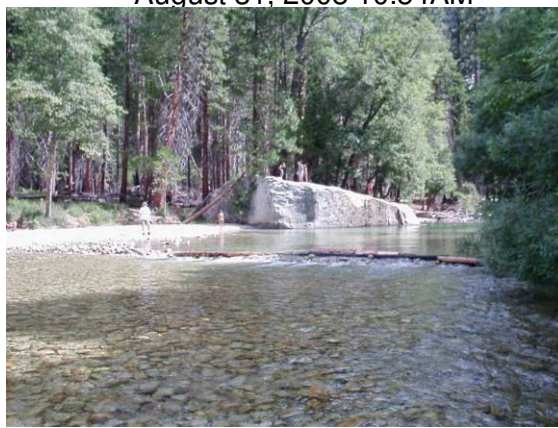
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Kings River, South Fork, at Muir Rock and Hwy 180 (552KIN900)

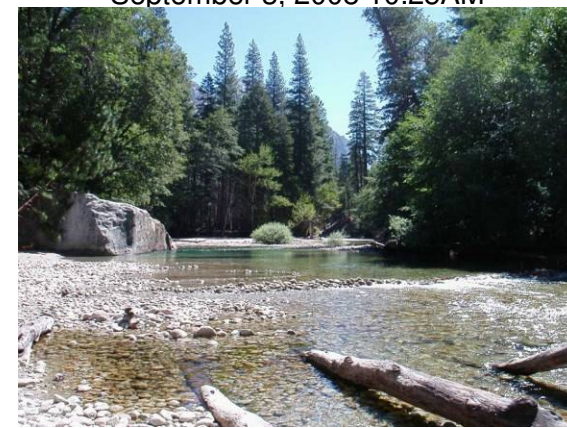
August 27, 2008 11:15AM



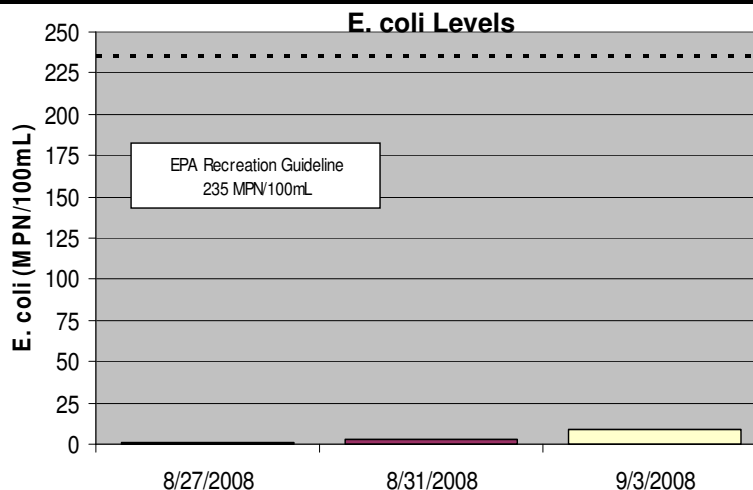
August 31, 2008 10:54AM



September 3, 2008 10:25AM

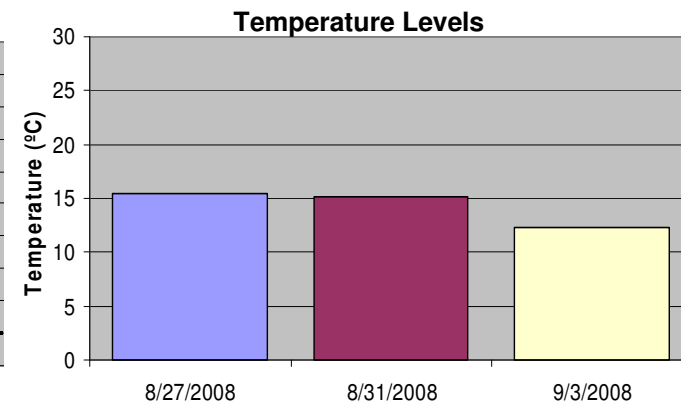
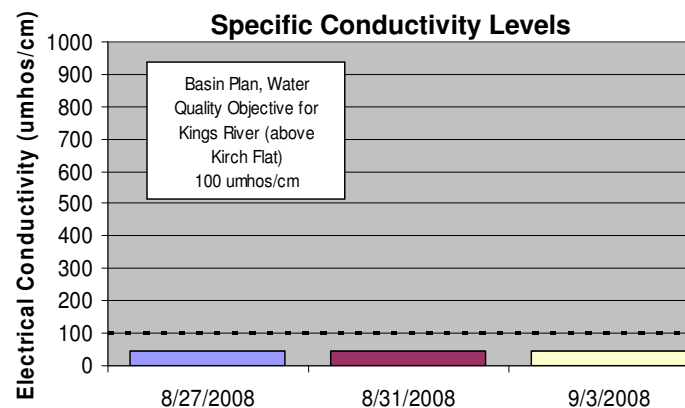
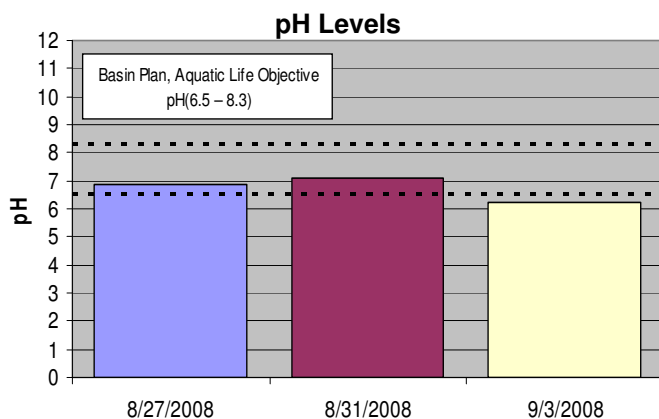


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Kings River, South Fork, at Muir Rock and Hwy 180
 SWAMP Site ID: 552KIN900
 Watershed: South Fork Kings River Watershed
 County: Fresno
 Longitude: -118.5838
 Latitude: 36.79353

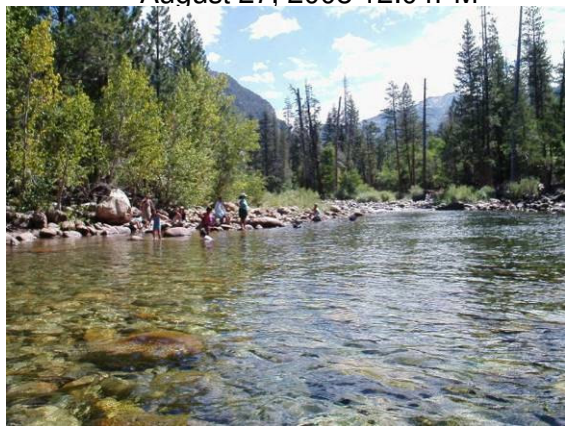
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	3.1	8.5
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	45.5	47.7	45.8
pH	6.5-8.3 (Basin Plan Objective)	6.87	7.10	6.25
Temperature (° Celsius)	None available	15.4	15.2	12.3

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Kings River, South Fork @ Hotel Creek and Cedar Grove Ranger Station (552KIN901)

August 27, 2008 12:04PM



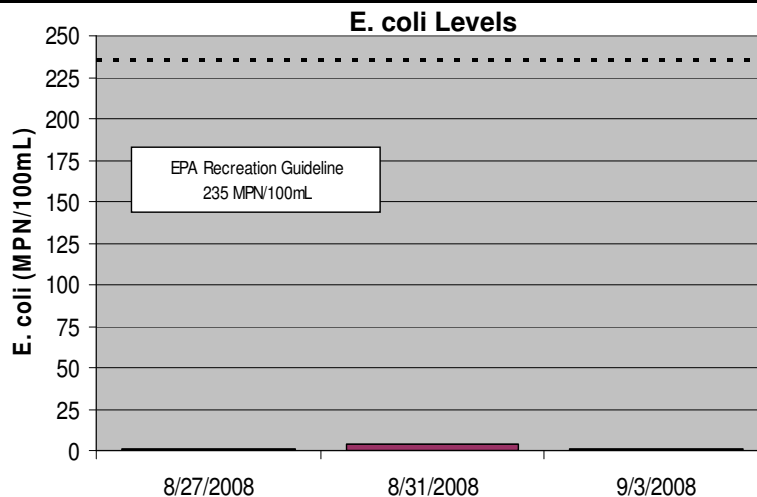
August 31, 2008 11:22AM



September 3, 2008 10:45AM

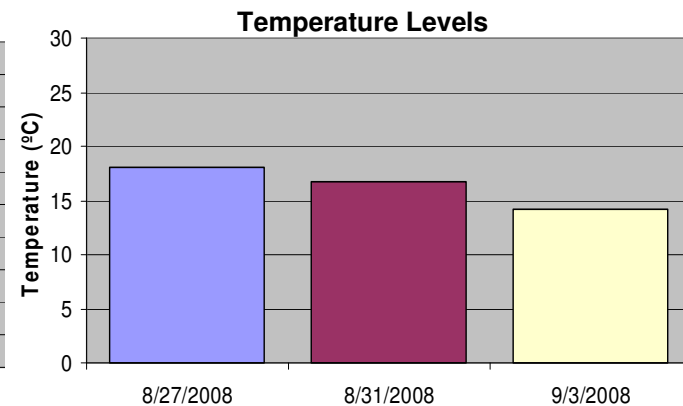
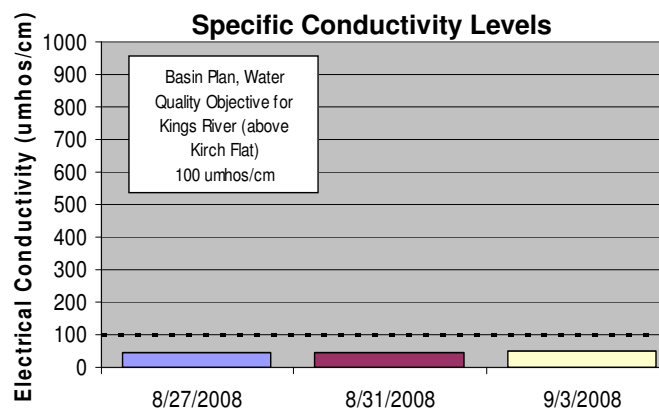
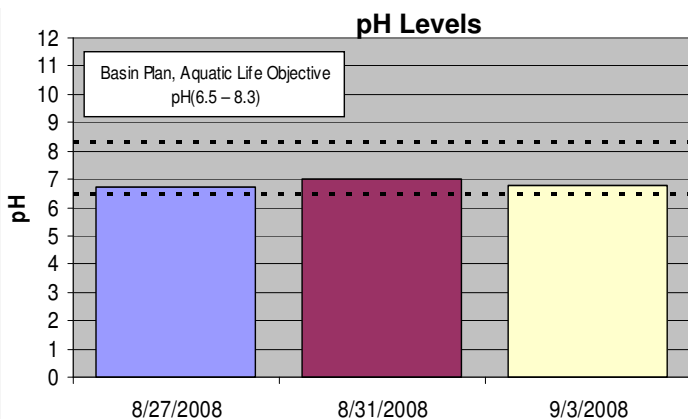
No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Kings River, South Fork, at Hotel Creek and Cedar Grove
SWAMP Site ID: 552KIN901
Watershed: South Fork Kings River Watershed
County: Fresno
Longitude: -118.66905
Latitude: 36.78925

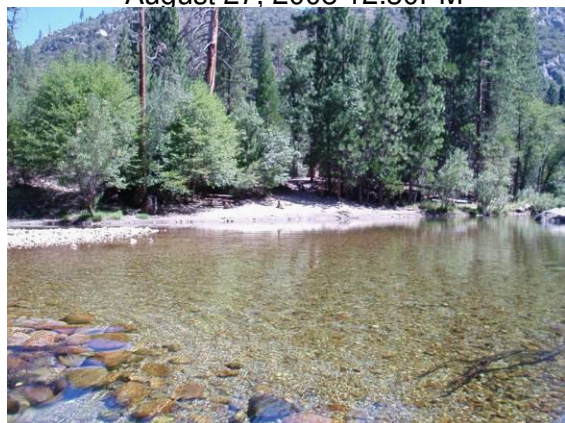
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	4.1	1
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	45.0	46.6	47.6
pH	6.5-8.3 (Basin Plan Objective)	6.74	7.00	6.80
Temperature (° Celsius)	None available	18.0	16.7	14.2

•NOTES:

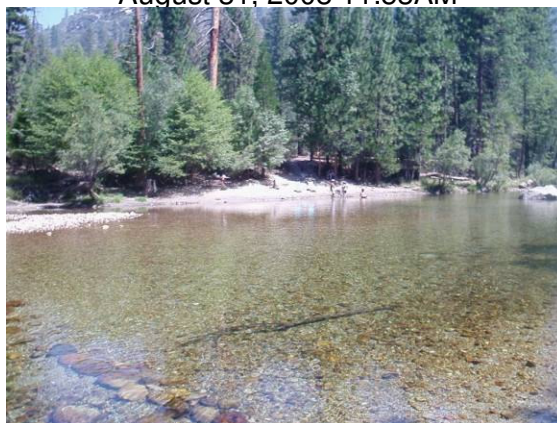
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Kings River, South Fork, at Lewis Creek Trailhead (552KIN902)

August 27, 2008 12:30PM



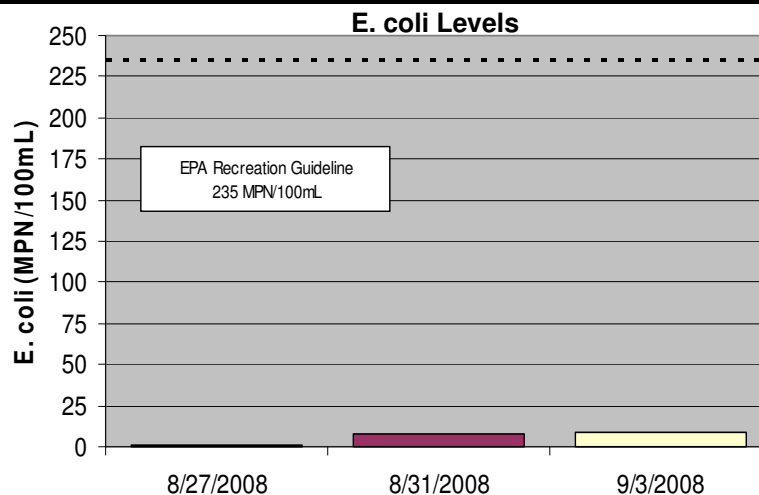
August 31, 2008 11:53AM



September 3, 2008 11:15AM

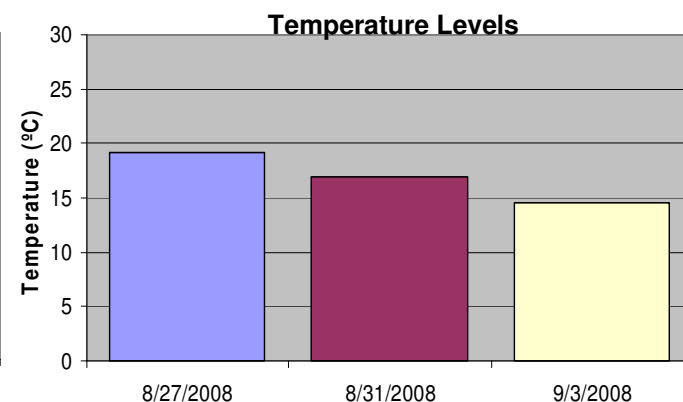
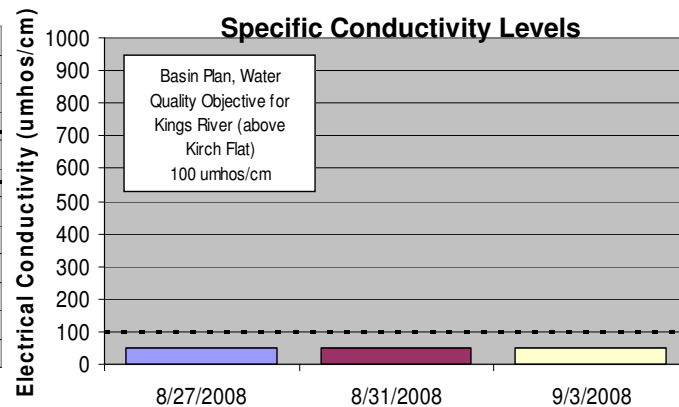
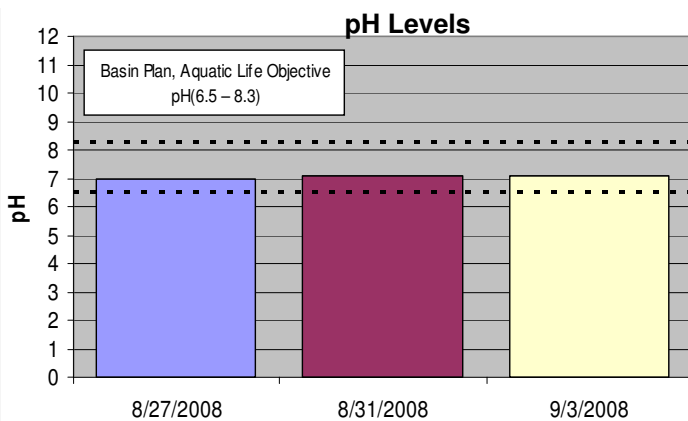
No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Kings River, South Fork, at Lewis Creek Trailhead
 SWAMP Site ID: 552KIN902
 Watershed: South Fork Kings River Watershed
 County: Fresno
 Longitude: -118.691600
 Latitude: 36.799340

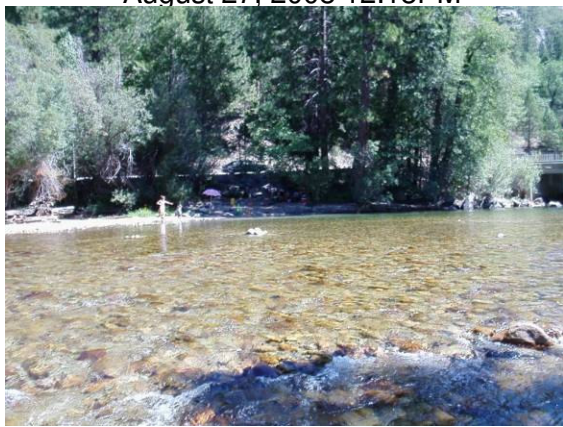
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	7.4	8.5
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	47.9	49.8	50.5
pH	6.5-8.3 (Basin Plan Objective)	7.00	7.07	7.08
Temperature (° Celsius)	None available	19.1	17.0	14.5

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Kings River, South Fork, at Hwy 180 and Cedar Grove (552KIN903)

August 27, 2008 12:18PM



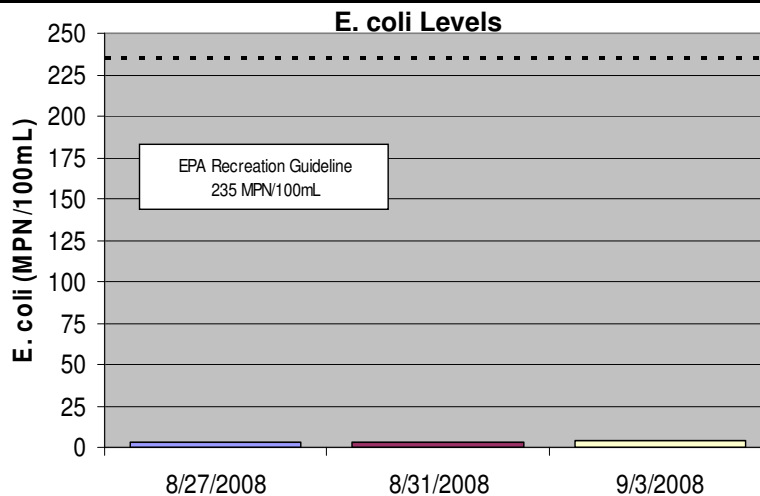
August 31, 2008 11:42AM



September 3, 2008 11:10AM

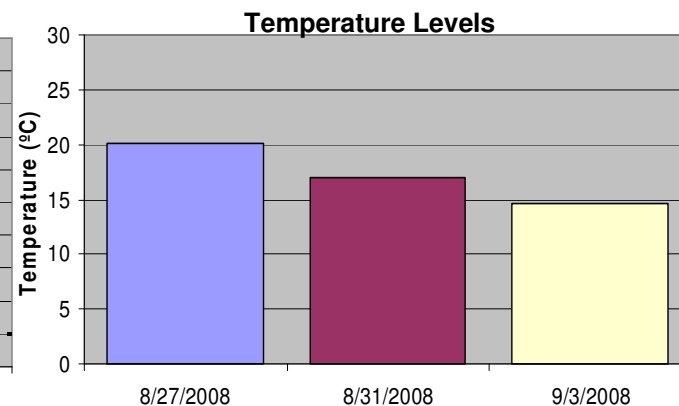
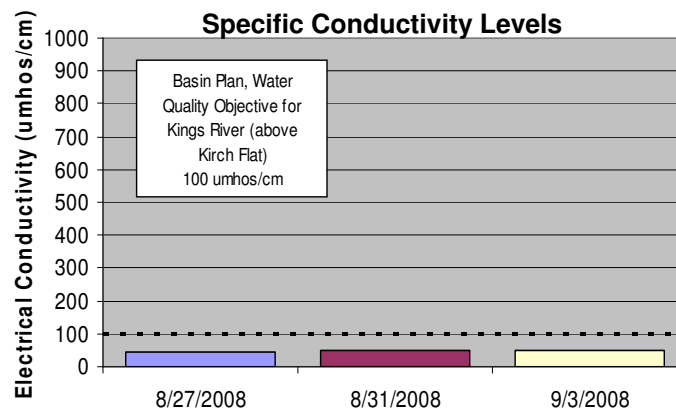
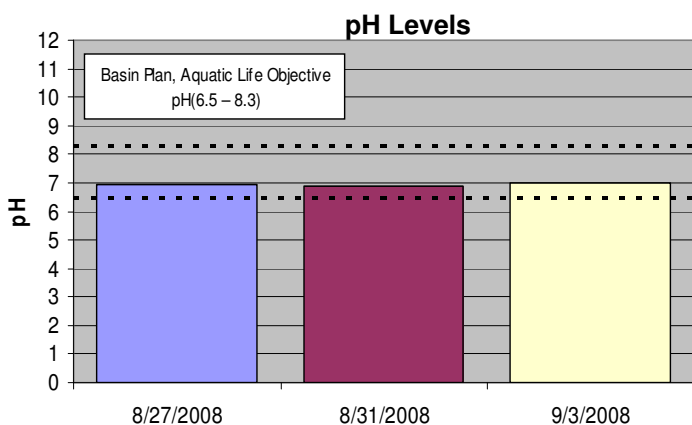


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Kings River, South Fork, at Hwy 180 and Cedar Grove
 SWAMP Site ID: 552KIN903
 Watershed: South Fork Kings River Watershed
 County: Fresno
 Longitude: -118.687530
 Latitude: 36.798070

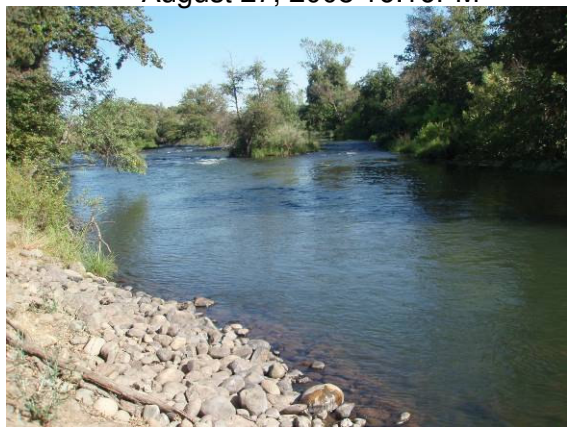
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	3.1	3.1	4.1
Specific Conductivity (umhos/cm)	≤100 umhos/cm (Basin Plan, Water Quality Objective for Kings River, above Kirch Flat)	46.3	48.0	48.7
pH	6.5-8.3 (Basin Plan Objective)	6.94	6.90	6.98
Temperature (° Celsius)	None available	20.1	17.0	14.7

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Merced River at Merced Falls Road (535MER209)

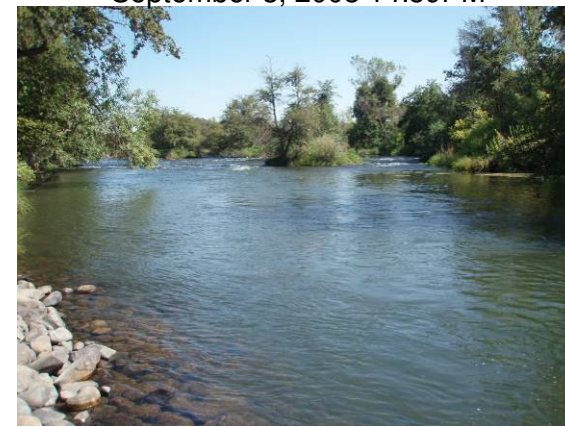
August 27, 2008 16:16PM



August 31, 2008 15:16PM



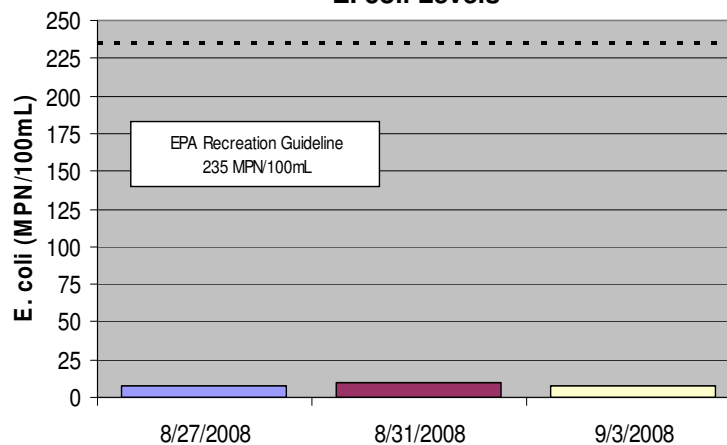
September 3, 2008 14:59PM



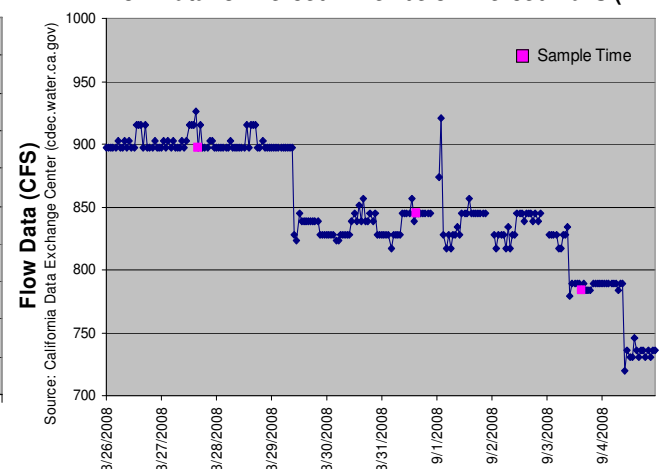
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

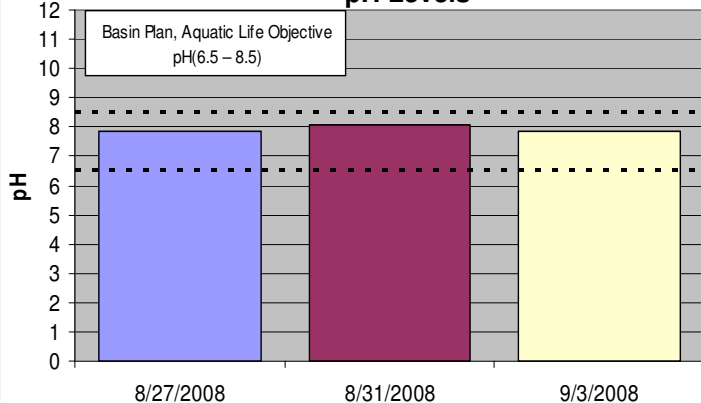
E. coli Levels



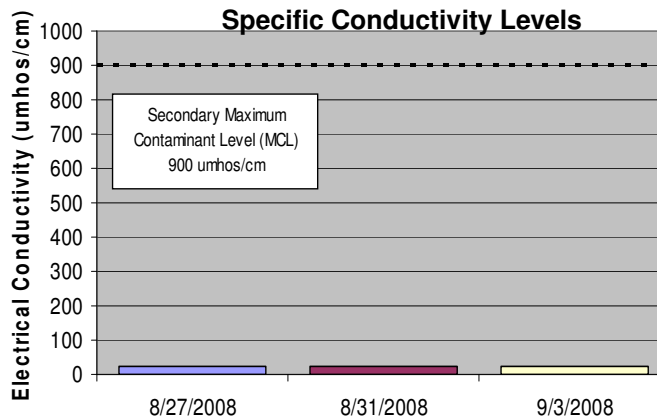
Flow Data for Merced River below Merced Falls (MMF)



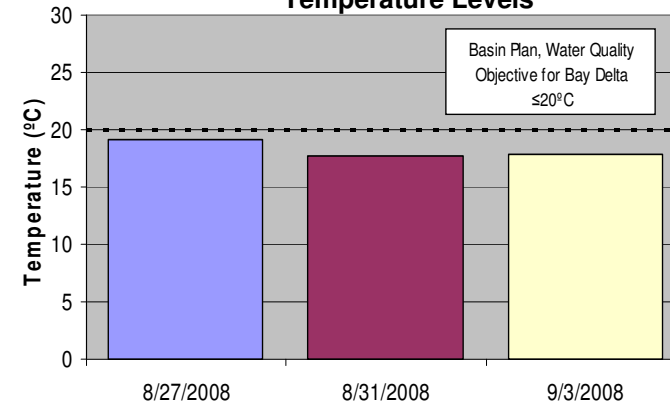
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Merced River at Merced Falls Road
 SWAMP Site ID: 535MER209
 Watershed: Merced River Watershed
 County: Merced
 Longitude: -120.378833
 Latitude: 37.518067

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	7.5	9.6	7.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	25	25	26
pH	6.5-8.5 (Basin Plan Objective)	7.88	8.06	7.84
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.11	17.65	17.89

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Merced River at Henderson Park (535MER210)

August 27, 2008 16:35PM



August 31, 2008 15:35PM

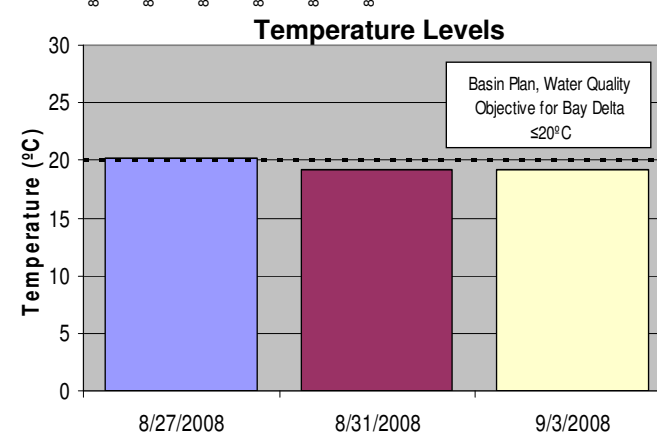
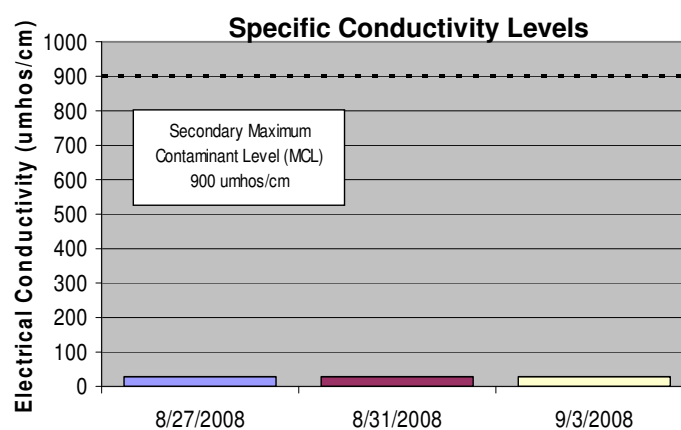
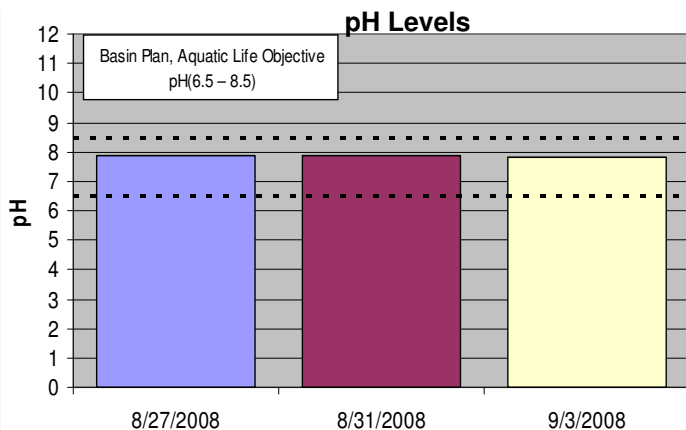
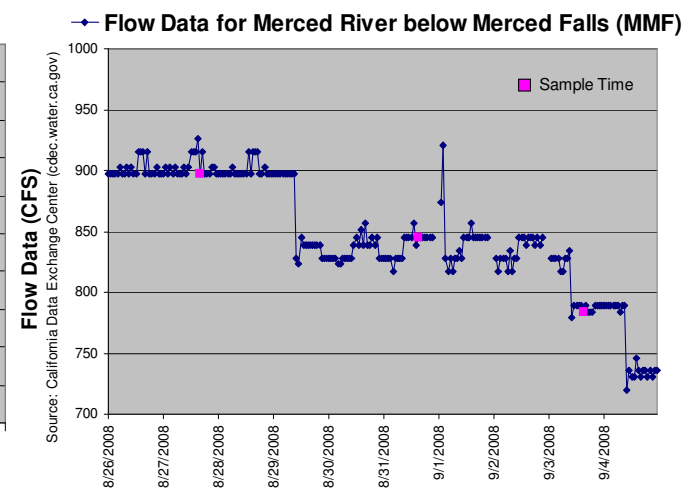
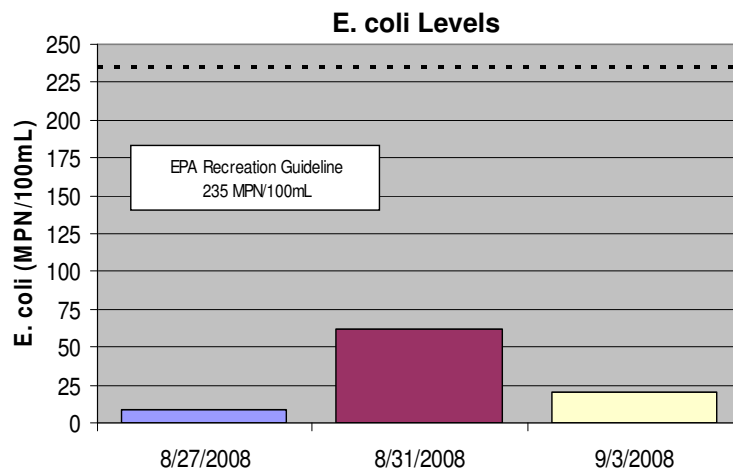


September 3, 2008 15:15PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Merced River at Henderson Park
 SWAMP Site ID: 535MER210
 Watershed: Merced River Watershed
 County: Merced
 Longitude: -120.421467
 Latitude: 37.521683

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	8.5	62	19.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	27	27	27
pH	6.5-8.5 (Basin Plan Objective)	7.88	7.89	7.8
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.25	19.2	19.24

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Merced River at El Portal – “Patty’s Hole” (537MAR900)

August 27, 2008 14:39PM



August 31, 2008 13:45PM



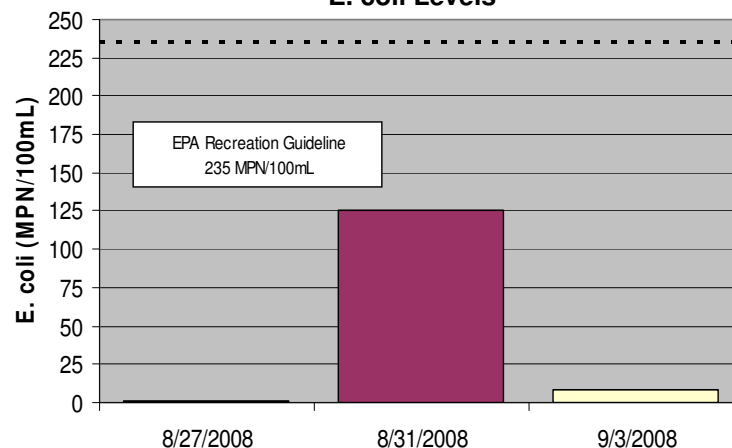
September 3, 2008 13:26PM



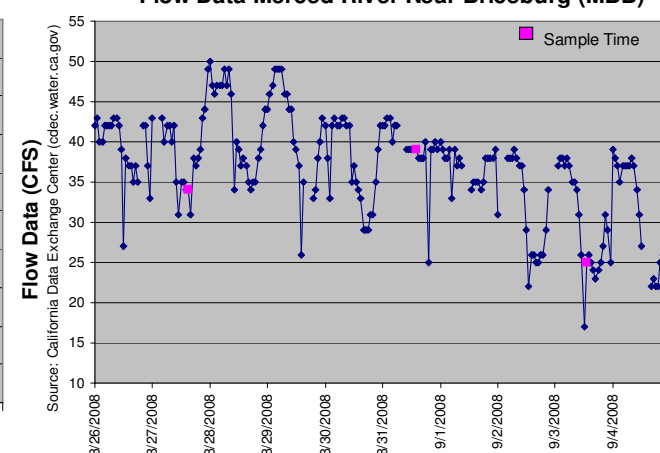
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

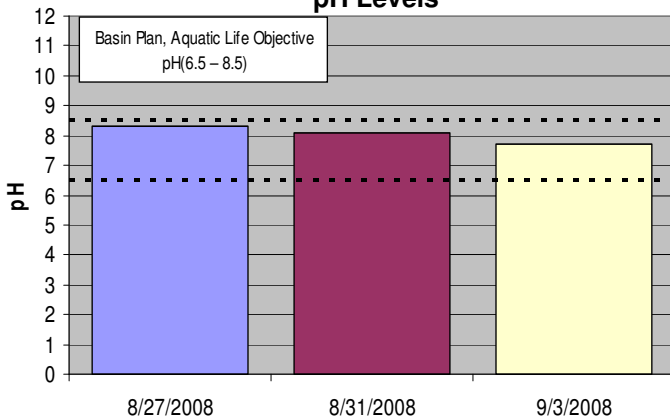
E. coli Levels



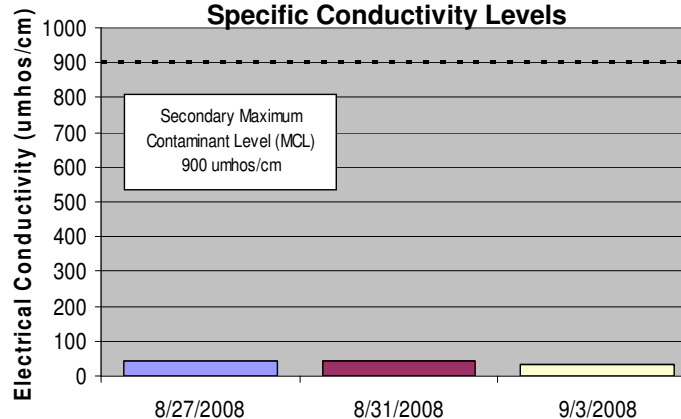
Flow Data Merced River Near Briceburg (MBB)



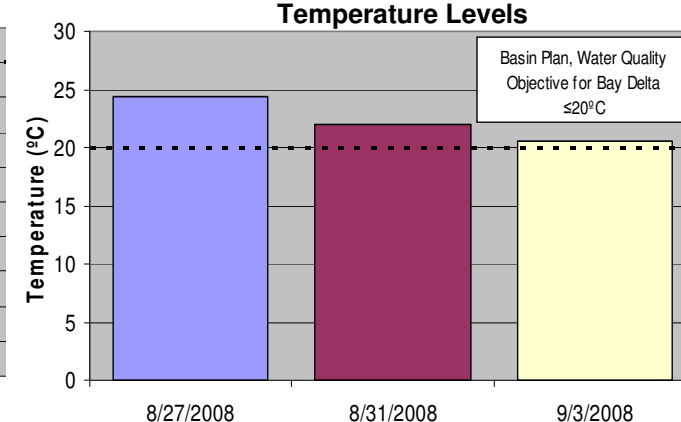
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Merced River at El Portal – Patty's Hole
 SWAMP Site ID: 537MAR900
 Watershed: Merced River Watershed
 County: Mariposa
 Longitude: -119.787483
 Latitude: 37.672167

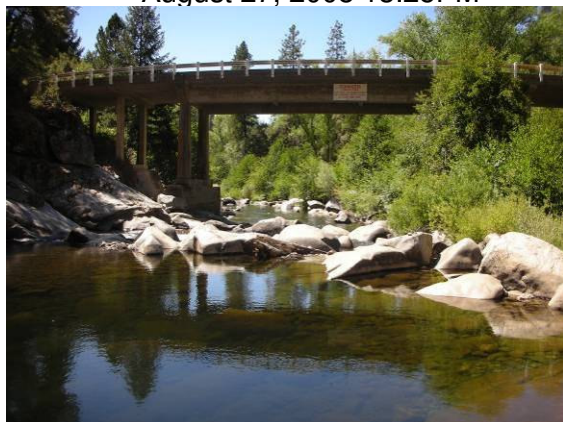
Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	125.9	8.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	42	43	35
pH	6.5-8.5 (Basin Plan Objective)	8.33	8.11	7.7
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.3	21.95	20.62

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

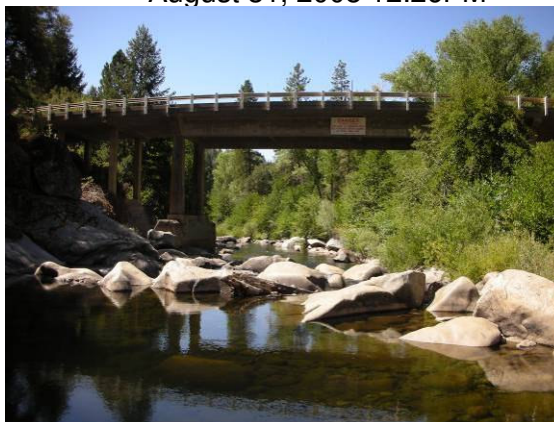
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Mokelumne River, North Fork, at Hwy 26 (532AMA001)

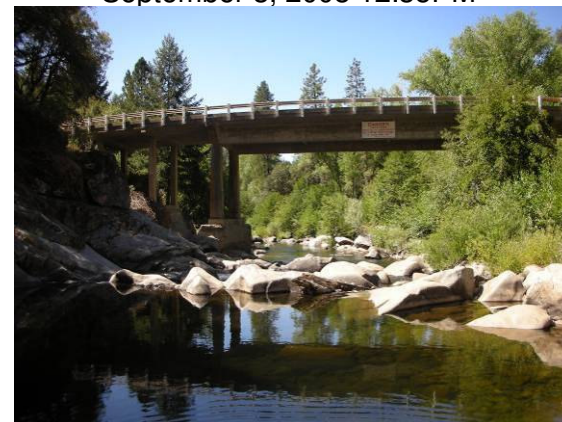
August 27, 2008 13:25PM



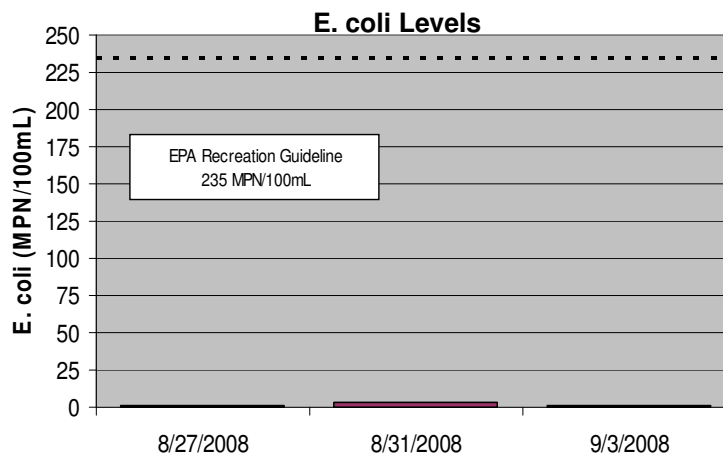
August 31, 2008 12:26PM



September 3, 2008 12:35PM

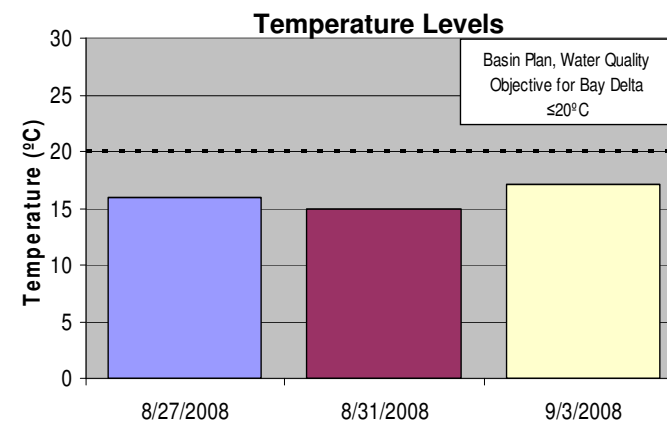
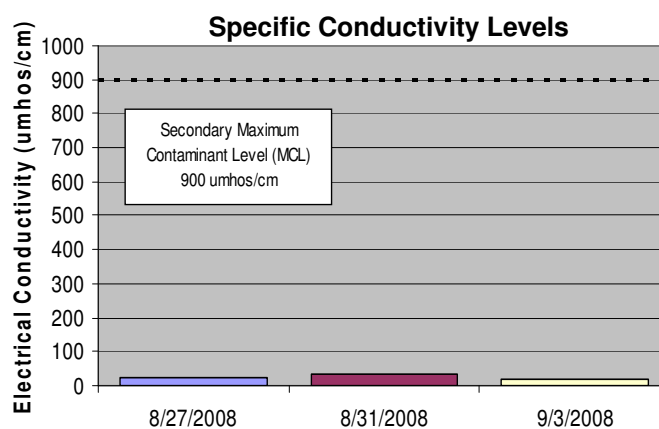
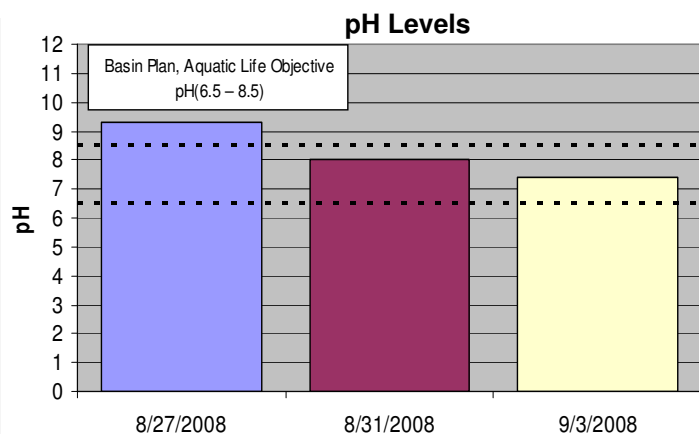


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Mokelumne River, North Fork, at Hwy 26 Bridge
 SWAMP Site ID: 532AMA001
 Watershed: Mokelumne River Watershed
 County: Amador
 Longitude: -120.541111
 Latitude: 38.423333

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	3.1	1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	22.52	33.6	21.28
pH	6.5-8.5 (Basin Plan Objective)	9.33	8.04	7.42
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	16	15	17. 1

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Mokelumne River, below Box Beach (532AMA005)

August 27, 2008 14:40PM



August 31, 2008 13:41PM

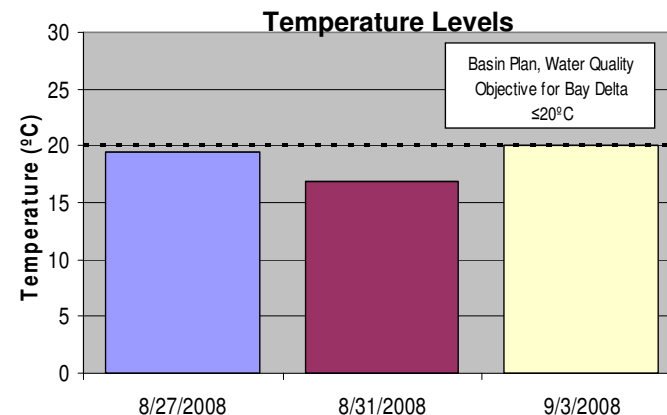
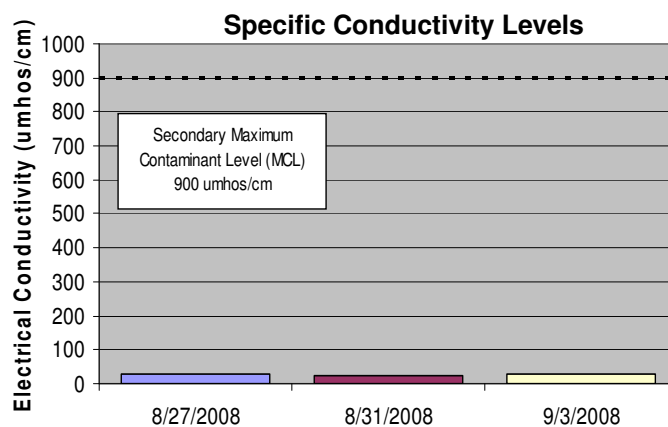
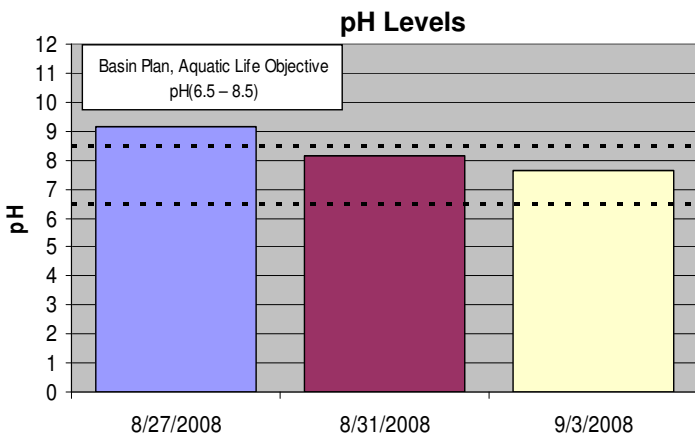
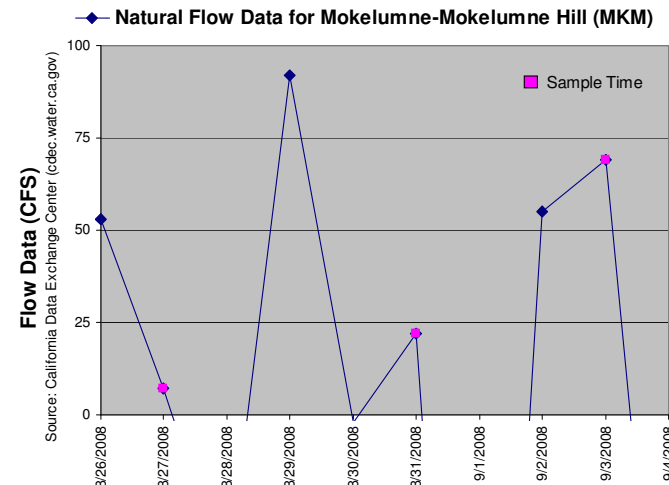
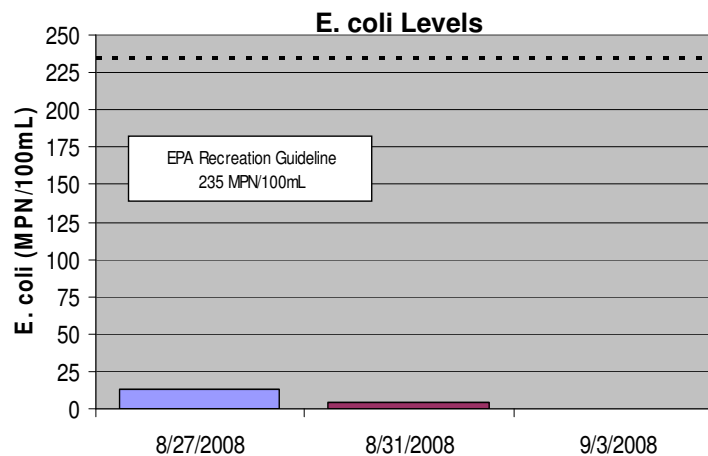


September 3, 2008 13:39PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

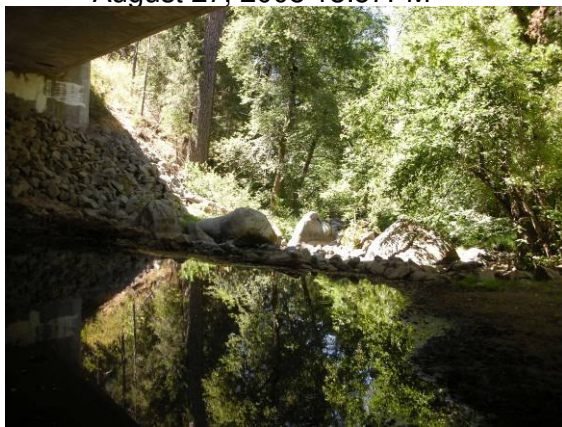
Description of Sample Site: Mokelumne River below Box Beach
 SWAMP Site ID: 532AMA005
 Watershed: Mokelumne River Watershed
 County: Amador
 Longitude: -120.686300
 Latitude: 38.320483

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	13.2	4.1	<1.0
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	29.2	23	29.88
pH	6.5-8.5 (Basin Plan Objective)	9.13	8.14	7.64
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19.5	16.9	20.1

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Mokelumne River, Middle Fork, at Hwy 26 Bridge (533CAL009)

August 27, 2008 13:57PM



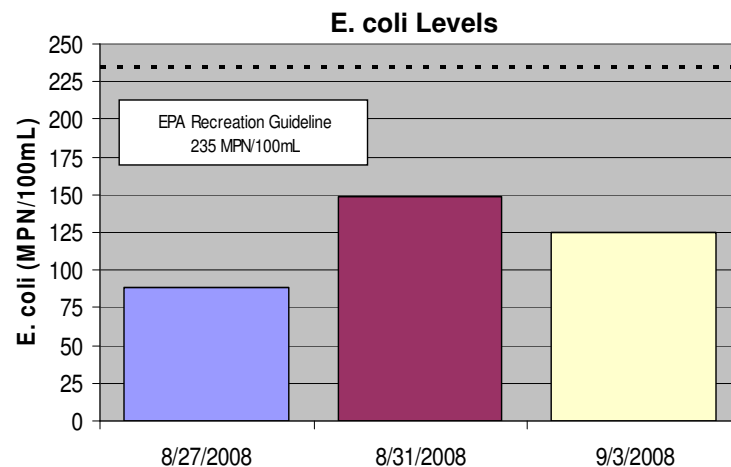
August 31, 2008 12:53PM



September 3, 2008 12:53PM

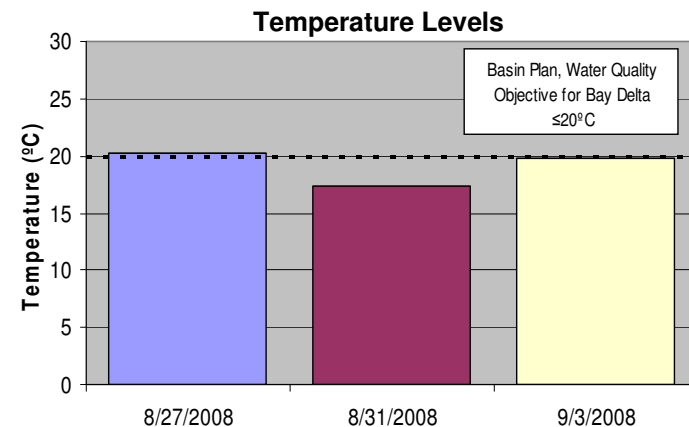
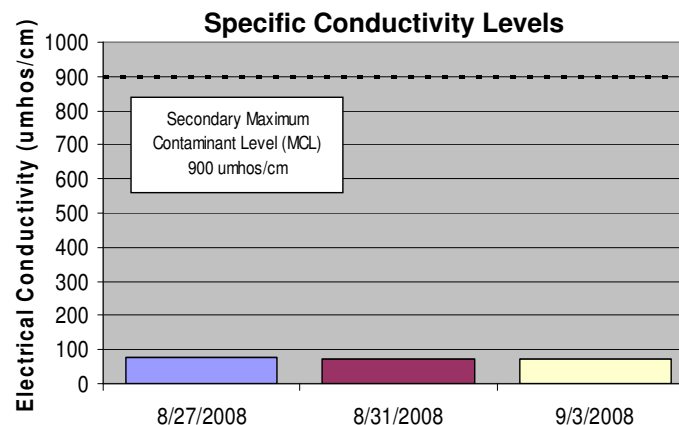
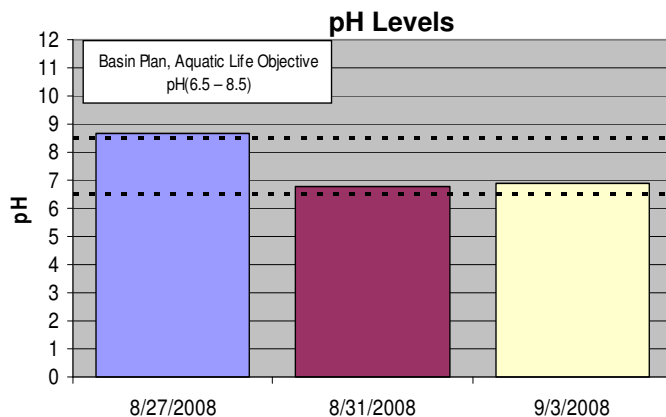


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Mokelumne River, Middle Fork, at Hwy 26 Bridge
 SWAMP Site ID: 533CAL009
 Watershed: Mokelumne River Watershed
 County: Calaveras
 Longitude: -120.526633
 Latitude: 38.389433

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	88.2	148.3	124.6
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	77.6	72.4	71.74
pH	6.5-8.5 (Basin Plan Objective)	8.68	6.77	6.91
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.2	17.3	19.8

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

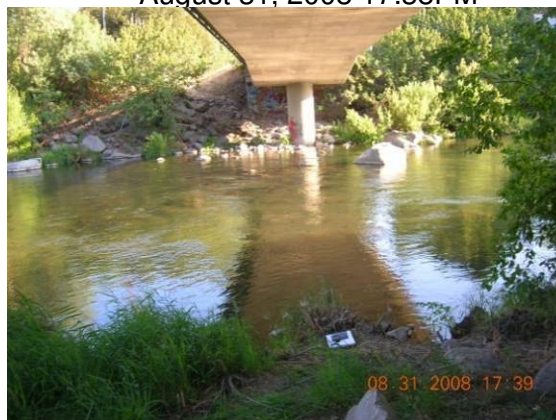
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Pit River at Big Bend (506SHA950)

August 27, 2008 16:48PM



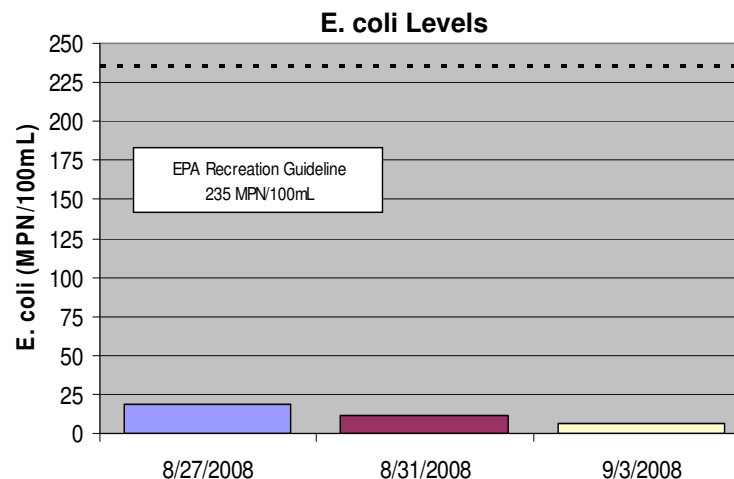
August 31, 2008 17:38PM



September 3, 2008 15:03PM

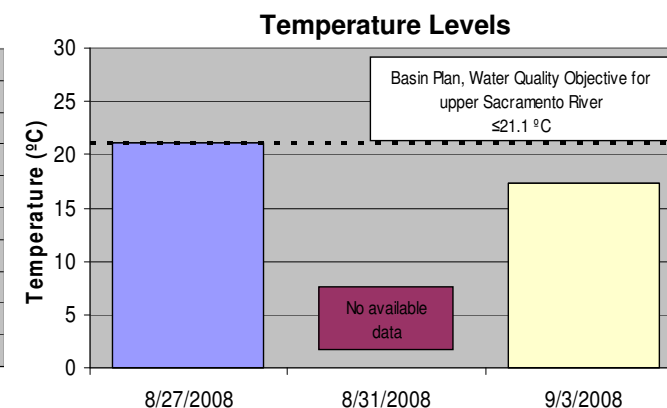
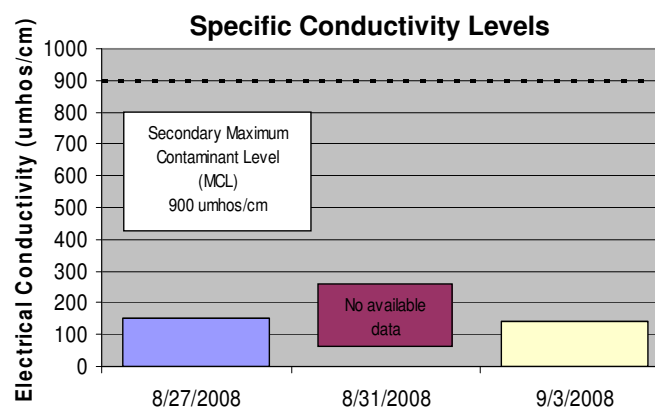
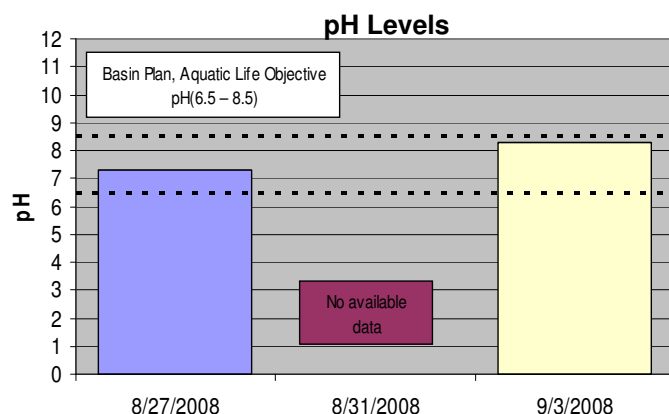
No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Pit River at Big Bend
 SWAMP Site ID: 506SHA950
 Watershed: Pit River Watershed
 County: Shasta
 Longitude: -121.910320
 Latitude: 41.020710

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	18.7	10.9	6.2
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	149.0	n/a	142.3
pH	6.5-8.5 (Basin Plan Objective)	7.3	n/a	8.3
Temperature (° Celsius)	≤21.1 °C (Basin Plan, Water Quality Objective for upper Sacramento River)	21.1	n/a	17.4

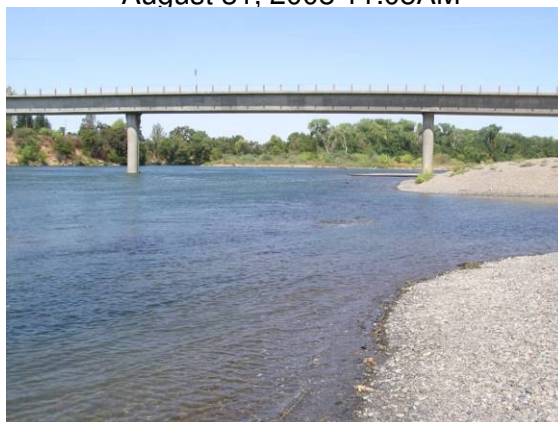
•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Sacramento River, Lower, at Woodson Bridge Boat Ramp (508SHA901)

August 27, 2008 11:22AM

No image available

August 31, 2008 11:05AM

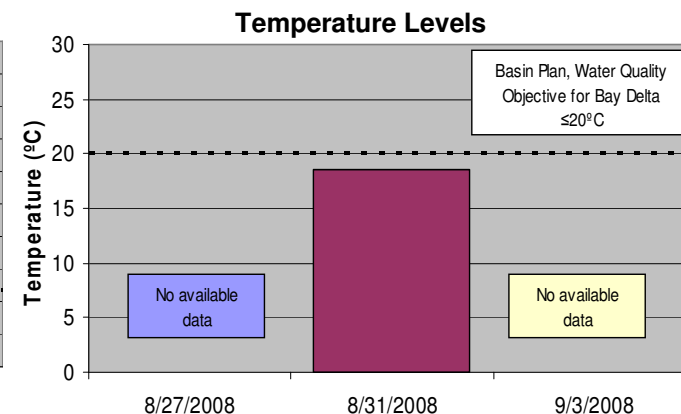
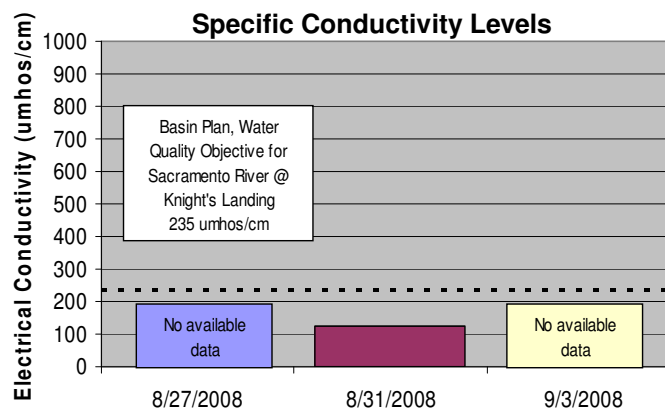
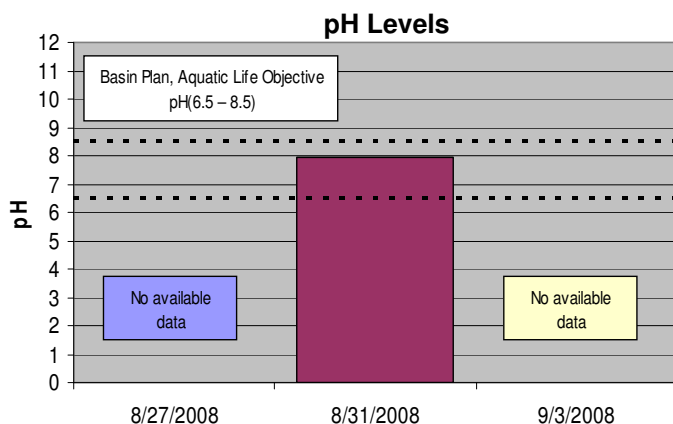
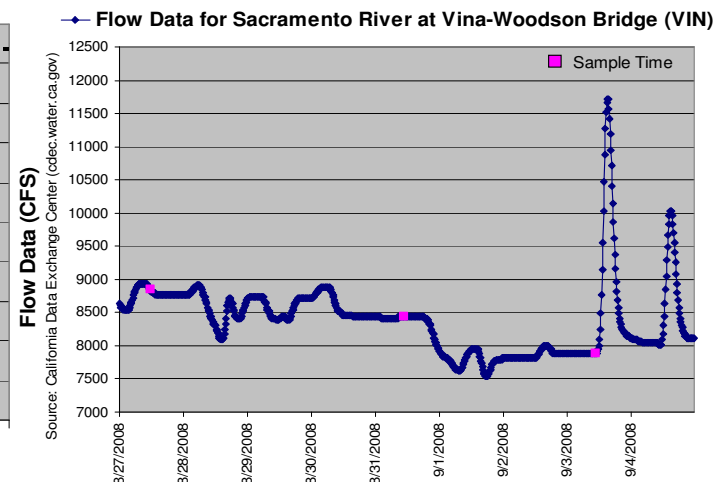
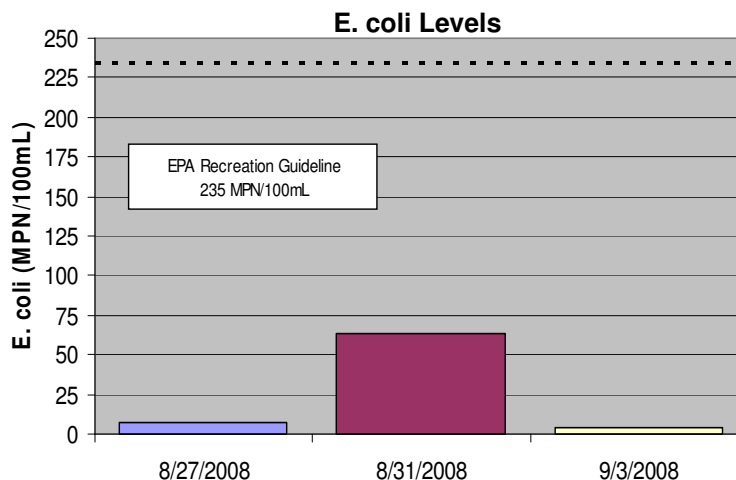


September 3, 2008 11:07AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: _____ Sacramento River, Lower, at Woodson Bridge Boat Ramp
SWAMP Site ID: _____ 508SHA901
Watershed: _____ Sacramento River Watershed
County: _____ Shasta
Longitude: _____ -122.087760
Latitude: _____ 39.905405

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	7.5	63.3	4.1
Specific Conductivity (umhos/cm)	235 umhos/cm (Basin Plan, Water Quality Objective for Sacramento River @ Knight's Landing)	n/a	127.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.95	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	18.5	n/a

•NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters

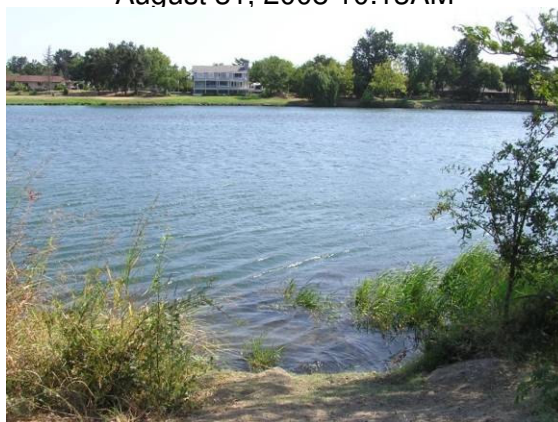
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Sacramento River at Red Bluff, east end of Willow Street (504TEH900)

No sample collected

August 31, 2008 10:13AM

September 3, 2008 10:34AM

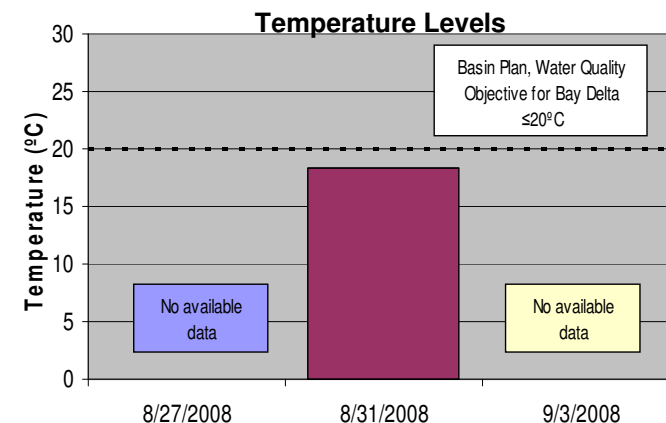
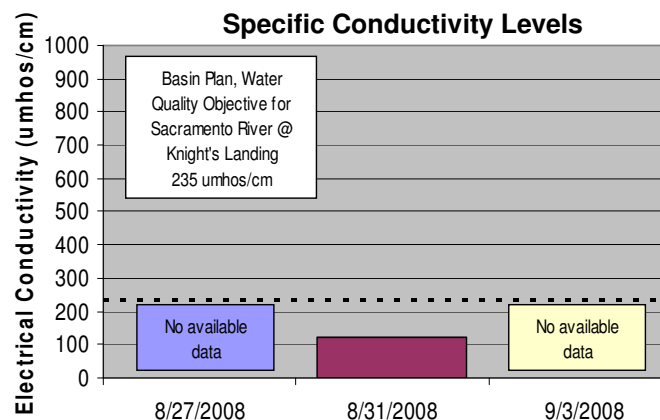
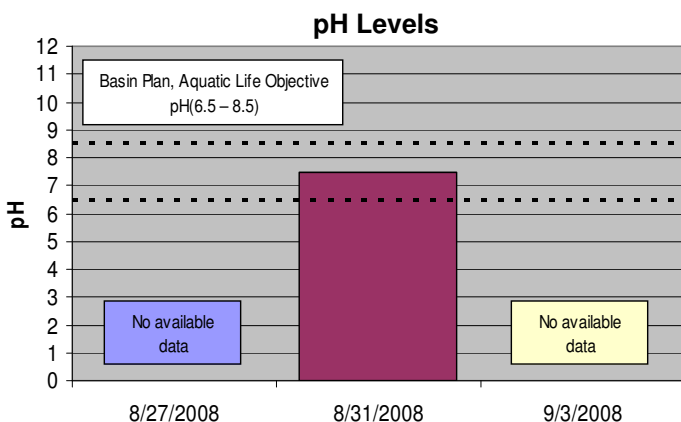
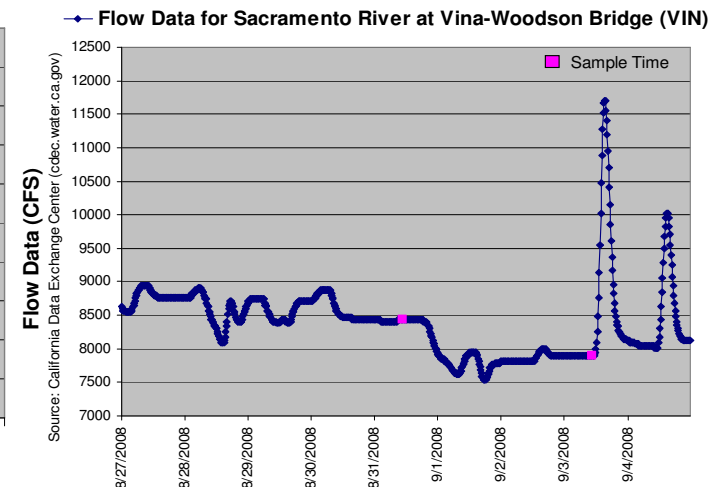
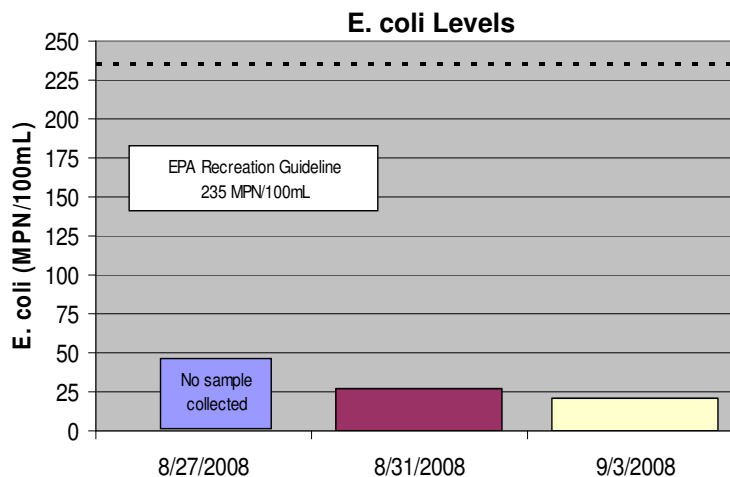
No image available



No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Sacramento River at Red Bluff, east end of Willow Street
 SWAMP Site ID: 504TEH900
 Watershed: Sacramento River Watershed
 County: Tehama
 Longitude: -122.224550
 Latitude: 40.171770

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	No sample collected	26.6	21.1
Specific Conductivity (umhos/cm)	≤235 umhos/cm (Basin Plan, Water Quality Objective for Sacramento River @ Knight's Landing)	n/a	121.5	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.50	n/a
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	n/a	18.4	n/a

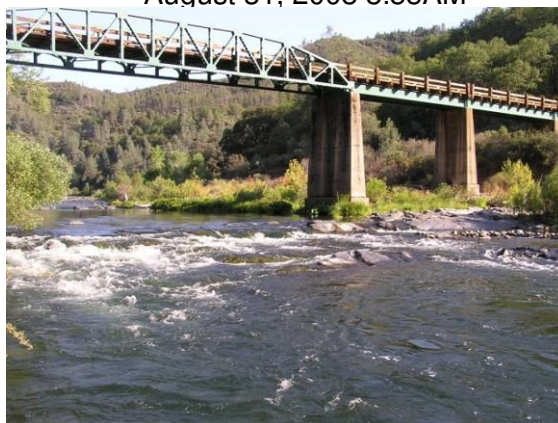
•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Sacramento River, Upper, at Dog Creek Confluence (506SHA951)

August 27, 2008 9:07AM

No image available

August 31, 2008 8:55AM

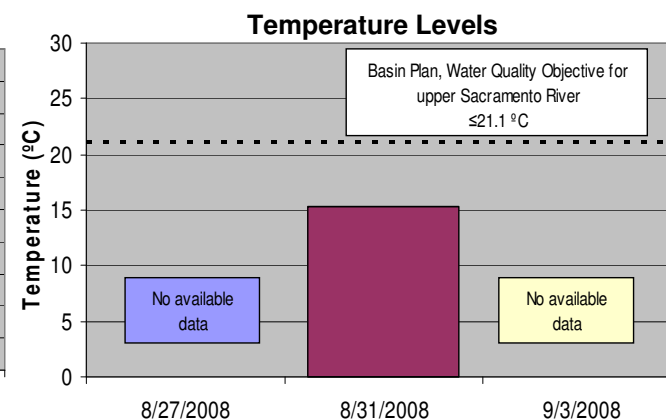
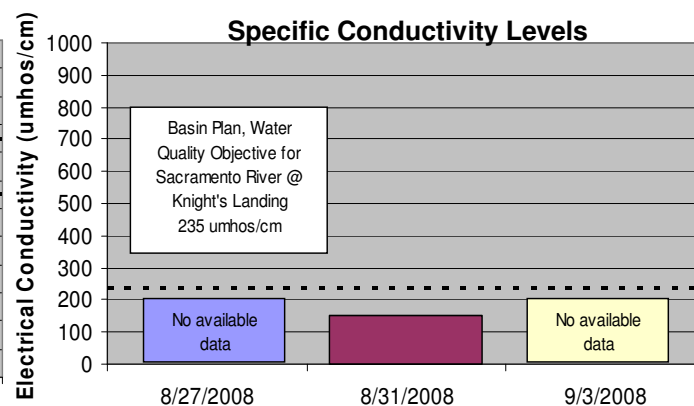
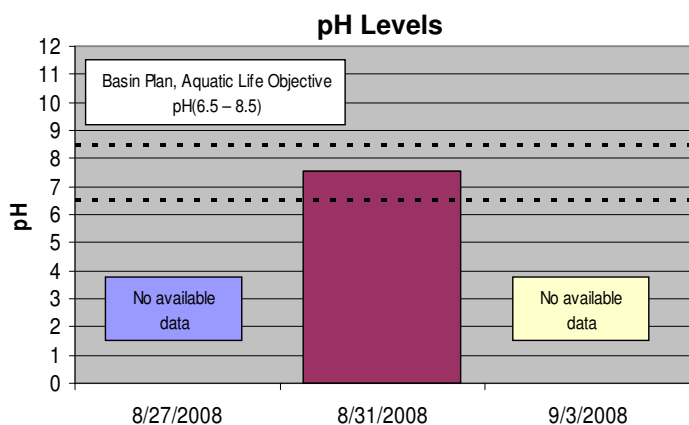
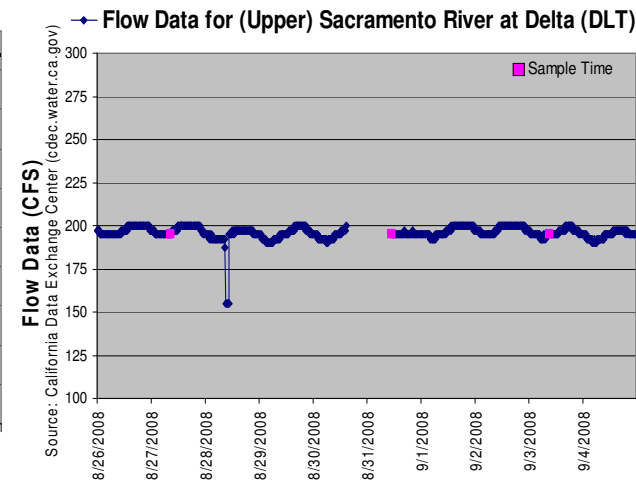
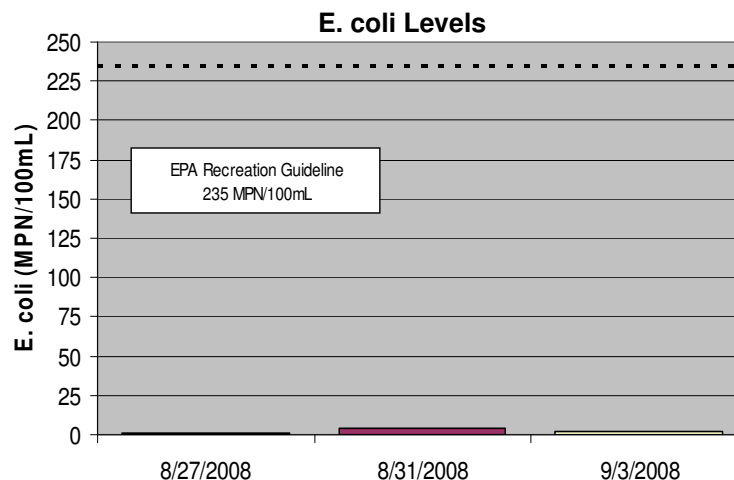


September 3, 2008 9:15AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Sacramento River, Upper, at Dog Creek Confluence
 SWAMP Site ID: 506SHA951
 Watershed: Sacramento River Watershed
 County: Shasta
 Longitude: -122.417654
 Latitude: 40.938232

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	1	4.1	2
Specific Conductivity (umhos/cm)	≤235 umhos/cm (Basin Plan, Water Quality Objective for Sacramento River @ Knight's Landing)	n/a	150	n/a
pH	6.5-8.5 (Basin Plan Objective)	n/a	7.58	n/a
Temperature (° Celsius)	≤21.1 °C (Basin Plan, Water Quality Objective for upper Sacramento River)	n/a	15.3	n/a

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

San Joaquin River at Lost Lake County Park (545FRE502)

August 27, 2008 11:55AM

No photo available

August 31, 2008 11:35AM

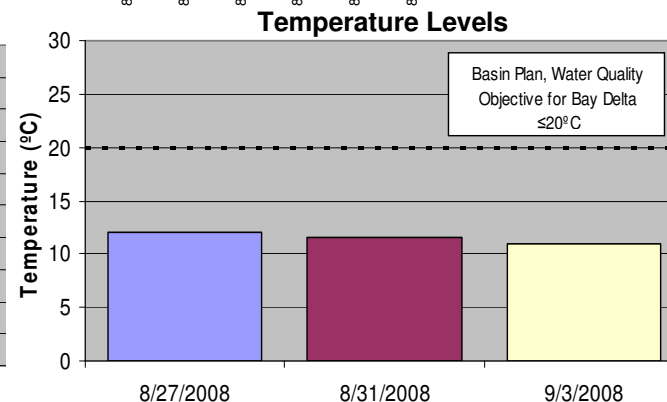
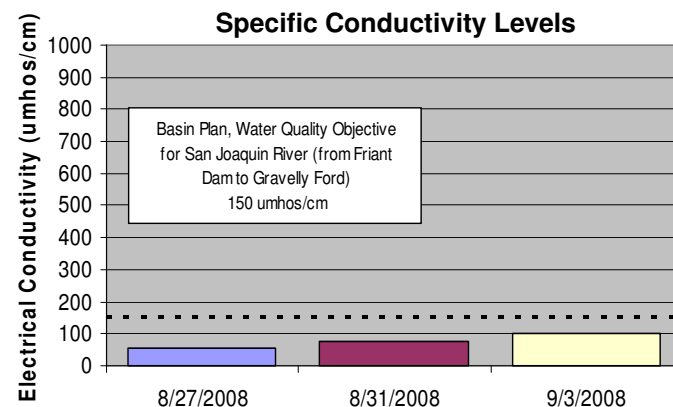
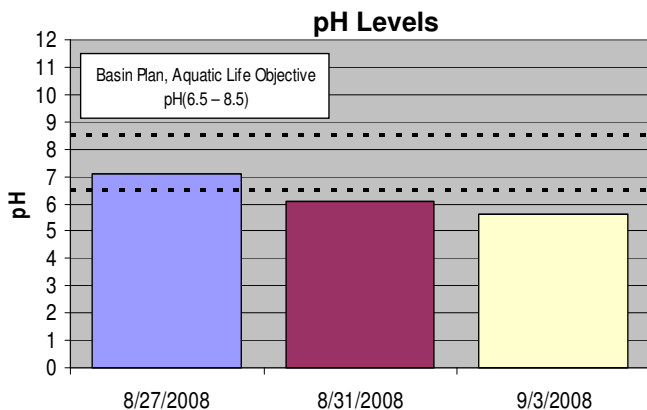
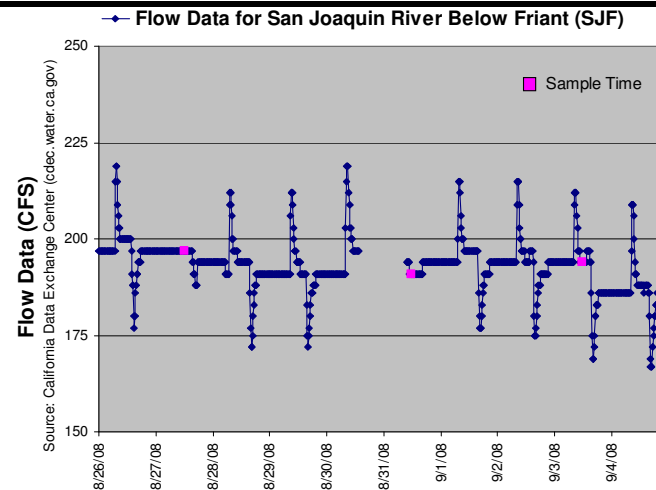
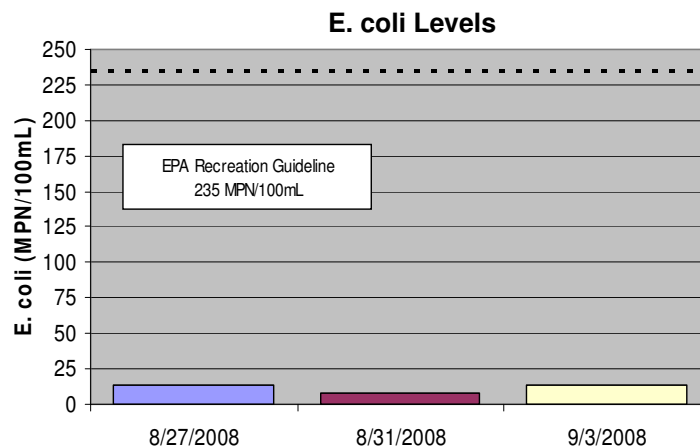


September 3, 2008 11:24AM

No photo available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: San Joaquin River at Lost Lake County Park
 SWAMP Site ID: 545FRE502
 Watershed: San Joaquin River Watershed
 County: Fresno
 Longitude: -119.737250
 Latitude: 36.973810

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	14.2	8.5	13.4
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	56.0	76.6	100.9
pH	6.5-8.5 (Basin Plan Objective)	7.09	6.07	5.60
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	12	11.5	11

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day San Joaquin River at Fort Washington Beach (545FRE503)

August 27, 2008 12:30 PM

No photo available

August 31, 2008 12:04PM



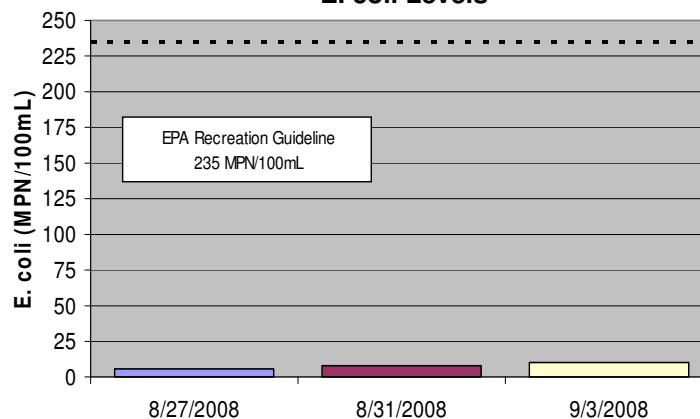
September 3, 2008 11:24AM

No photo available

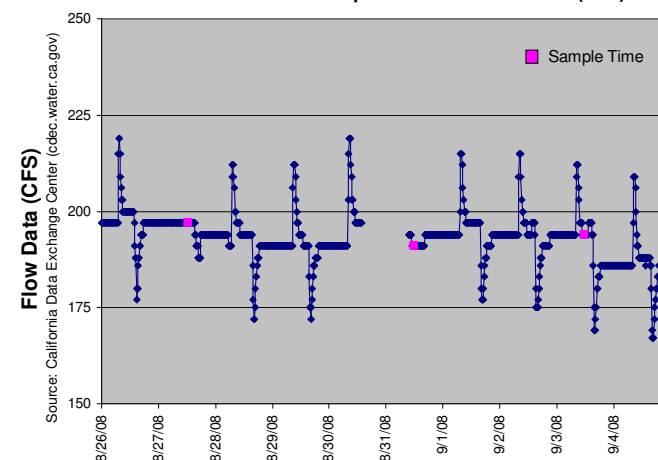
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

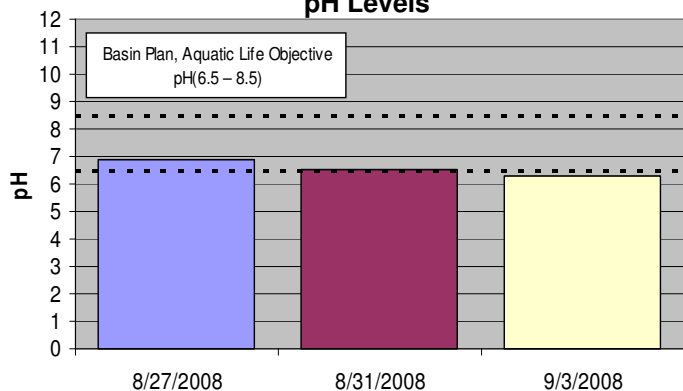
E. coli Levels



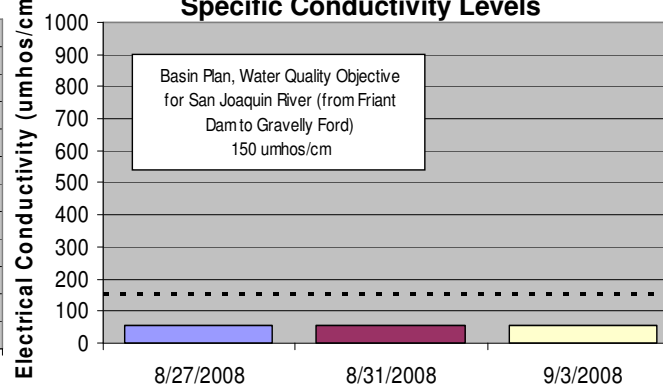
Flow Data for San Joaquin River Below Friant (SJF)



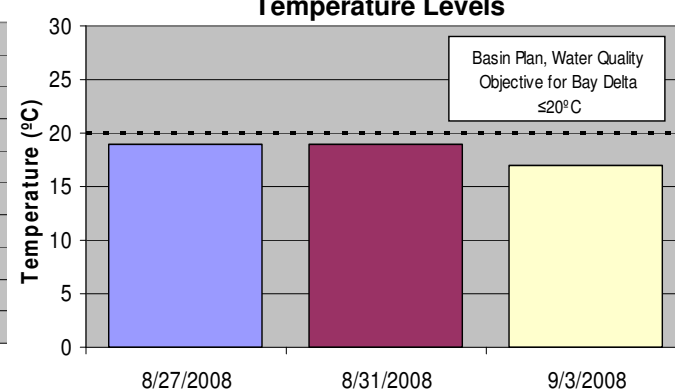
pH Levels



Specific Conductivity Levels



Temperature Levels



The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: San Joaquin River at Fort Washington Beach
 SWAMP Site ID: 545FRE503
 Watershed: San Joaquin River Watershed
 County: Fresno
 Longitude: -119.787510
 Latitude: 36.888490

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	6.2	7.4	9.7
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	57.1	57.9	58.0
pH	6.5-8.5 (Basin Plan Objective)	6.87	6.54	6.27
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	19	19	17

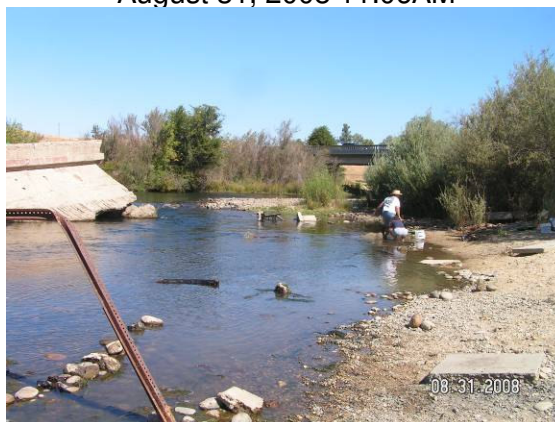
- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day San Joaquin River at Friant Cove(545FRE504)

August 27, 2008 11:25AM

No photo available

August 31, 2008 11:06AM



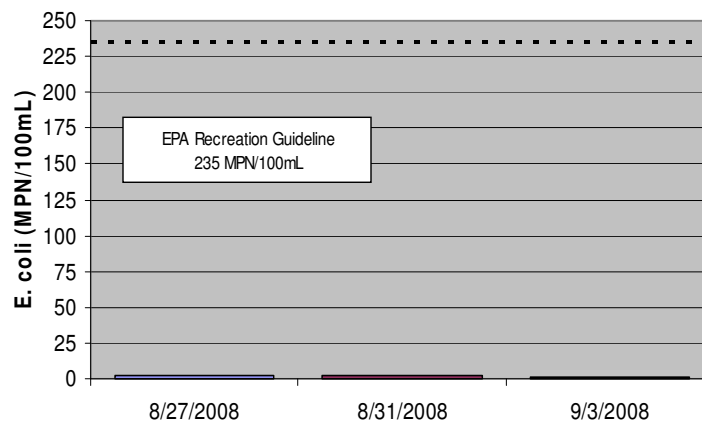
September 3, 2008 11:04AM

No photo available

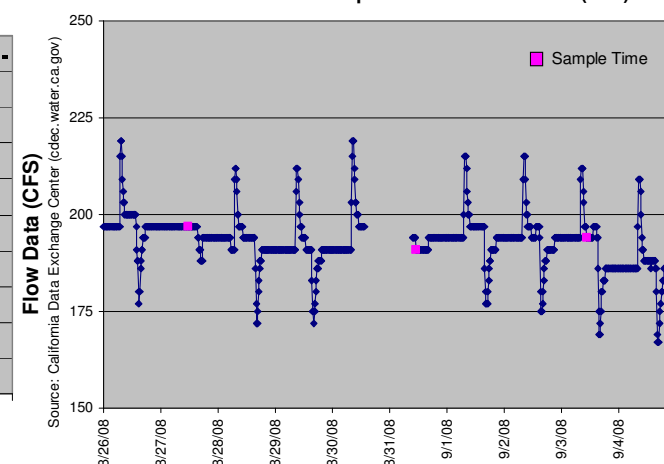
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

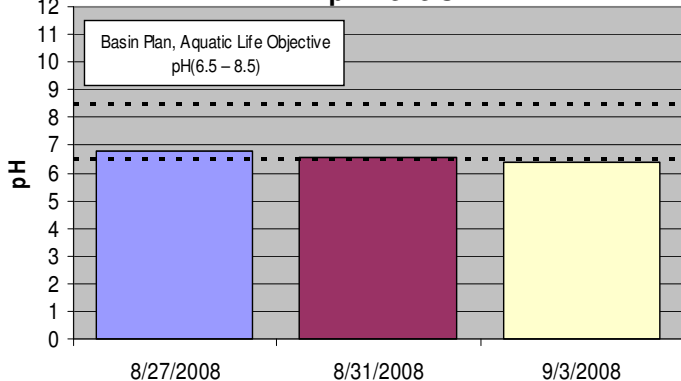
E. coli Levels



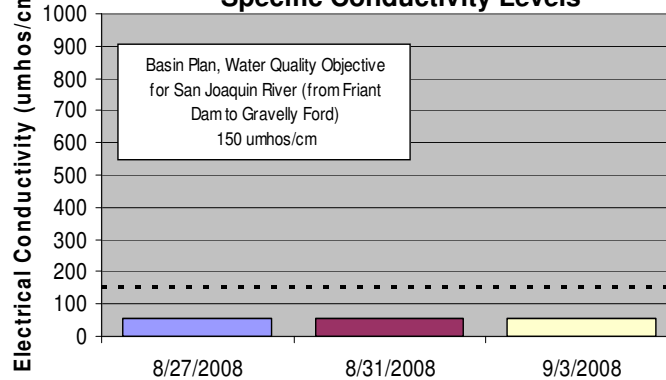
Flow Data for San Joaquin River Below Friant (SJF)



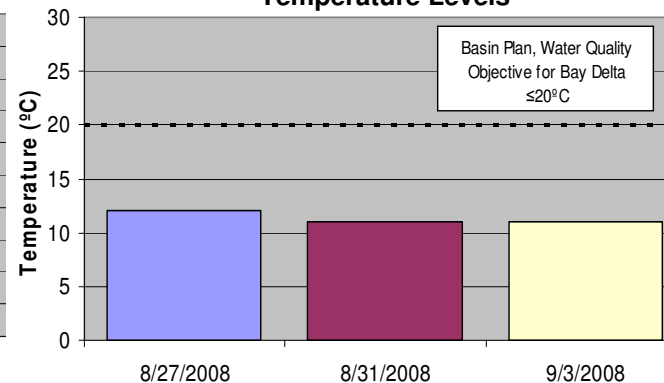
pH Levels



Specific Conductivity Levels



Temperature Levels



The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: San Joaquin River at Friant Cove
 SWAMP Site ID: 545FRE504
 Watershed: San Joaquin River Watershed
 County: Fresno
 Longitude: -119.713610
 Latitude: 36.991090

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	2	2	1
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	54.0	54.7	54.4
pH	6.5-8.5 (Basin Plan Objective)	6.78	6.57	6.37
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	12	11	11

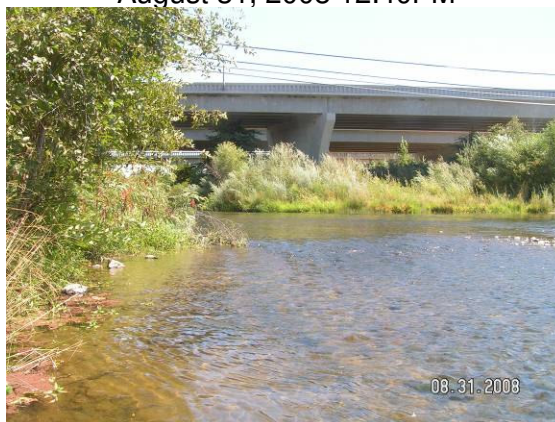
NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
 Shaded table cells contain values that do not meet the water quality guidelines.
 The RiverTree Volunteers assisted with field collection at this site.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day San Joaquin River at Wildwood Native Park(545MAD008)

August 27, 2008 13:05PM

No photo available

August 31, 2008 12:40PM

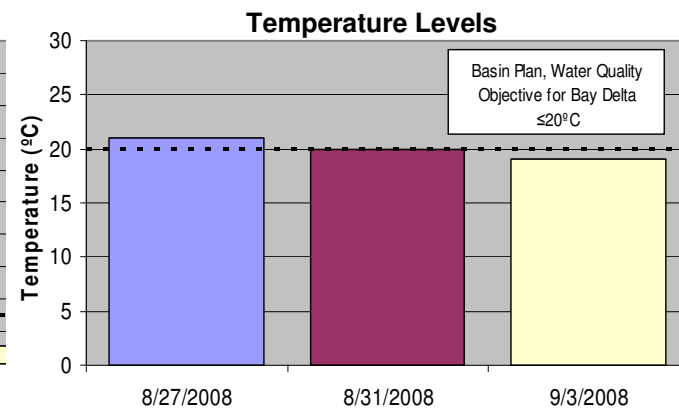
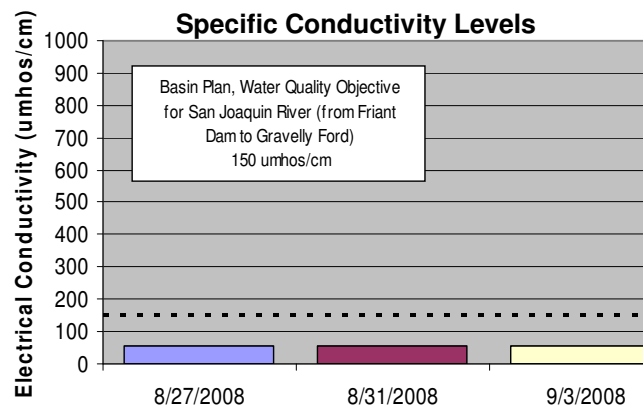
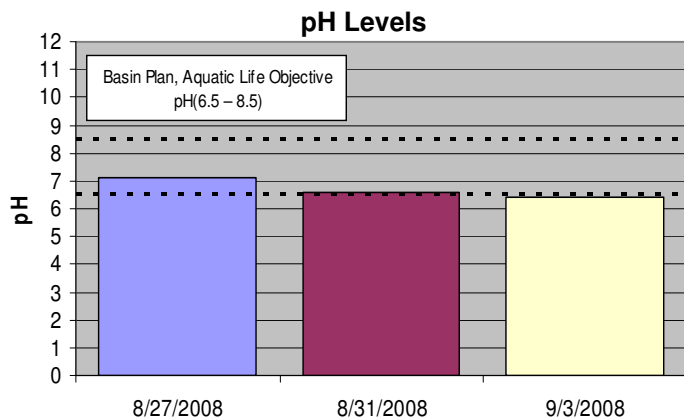
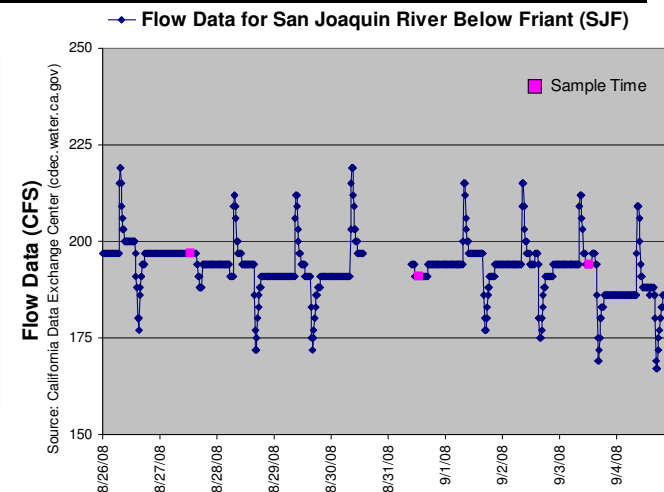
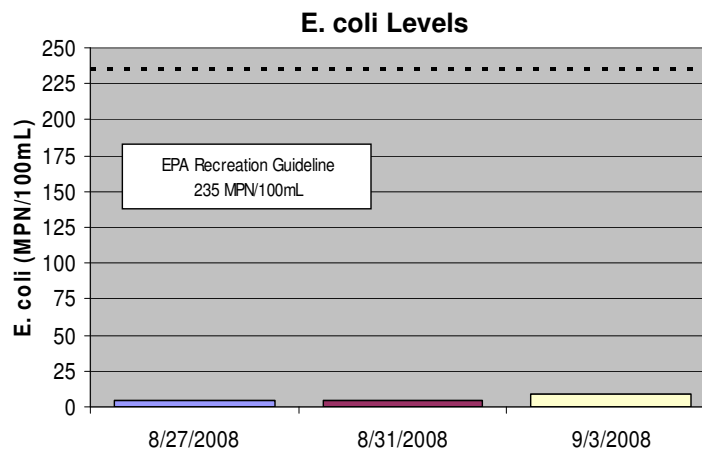


September 3, 2008 12:15PM

No photo available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The RiverTree Volunteers assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: San Joaquin River at Wildwood Native Park
 SWAMP Site ID: 545MAD008
 Watershed: San Joaquin River Watershed
 County: Madera
 Longitude: -119.793580
 Latitude: 36.876050

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	4.1	4.1	8.5
Specific Conductivity (umhos/cm)	≤150 umhos/cm (Basin Plan, Water Quality Objective for San Joaquin River, from Friant Dam to Gravelly Ford)	54.6	54.7	53.9
pH	6.5-8.5 (Basin Plan Objective)	7.10	6.56	6.43
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	21	20	19

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The RiverTree Volunteers assisted with field collection at this site.

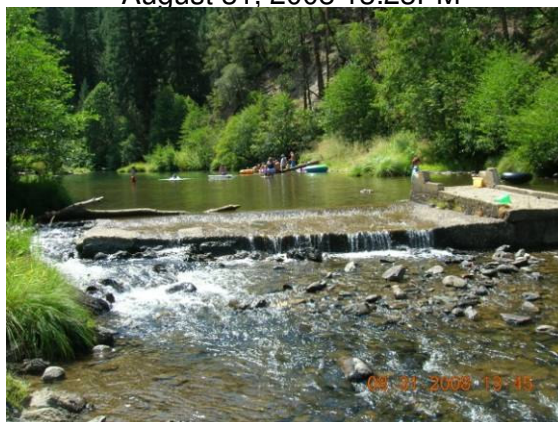
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Spanish Creek at USFS campground off of Hwy 70 (518PLU900)

August 27, 2008 12:06PM

No image available

August 31, 2008 13:23PM

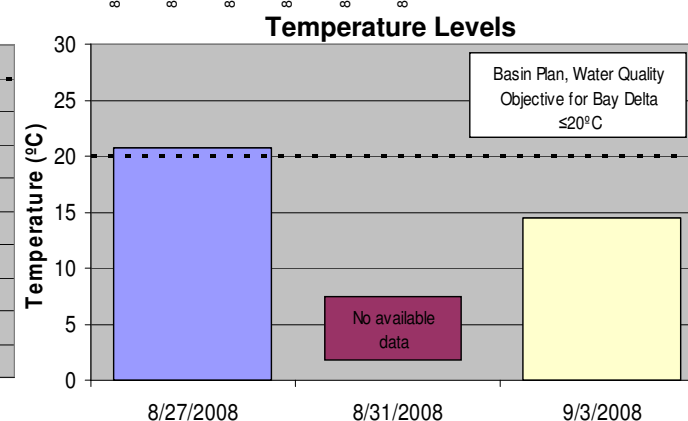
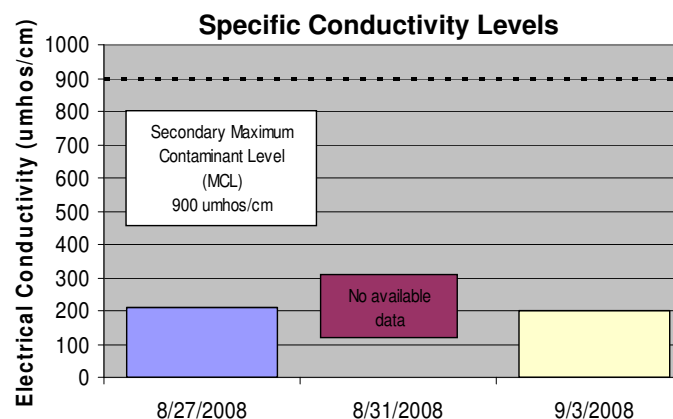
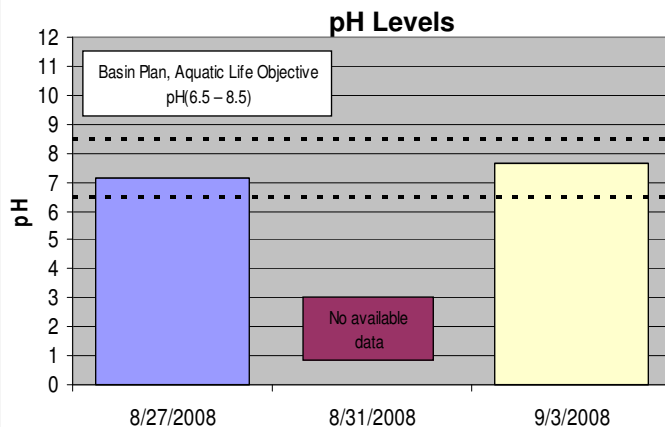
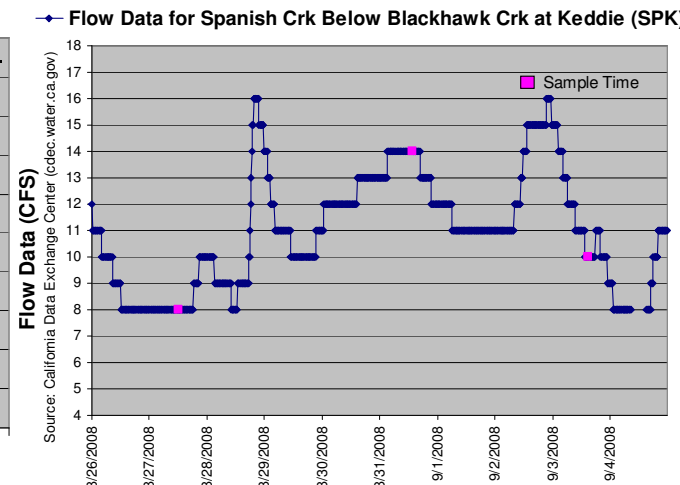
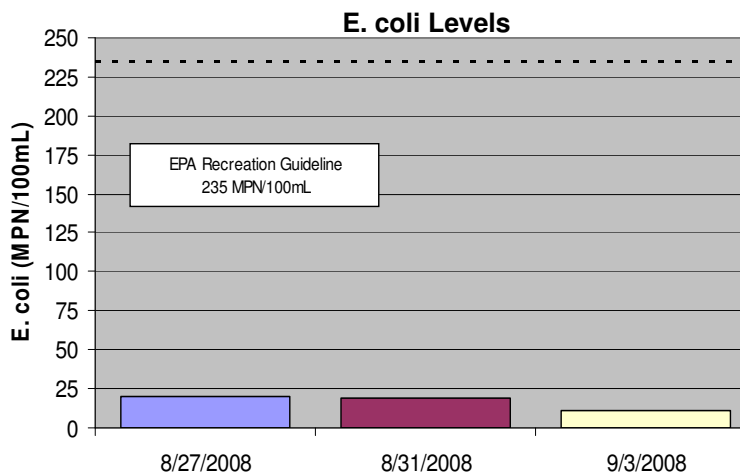


September 3, 2008 10:41AM

No image available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

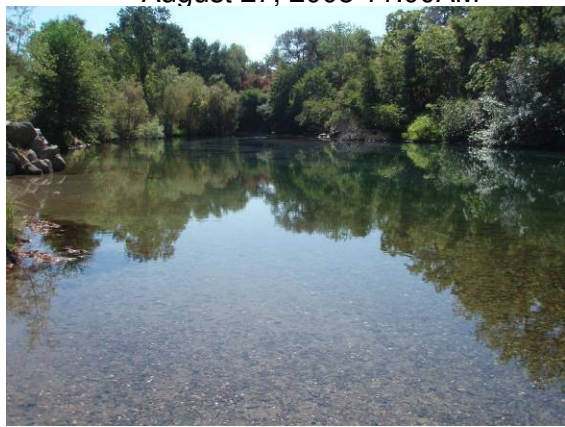
Description of Sample Site: _____ Spanish Creek at USFS campground off of Hwy 70
 SWAMP Site ID: _____ 518PLU900
 Watershed: _____ Spanish Creek Watershed
 County: _____ Plumas
 Longitude: _____ -120.961110
 Latitude: _____ 40.007420

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	20.1	18.9	10.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	208.4	n/a	198.2
pH	6.5-8.5 (Basin Plan Objective)	7.14	n/a	7.67
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.7	n/a	14.5

•NOTES: Shaded table cells contain values that do not meet the water quality guidelines.

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Stanislaus River @ Knight's Ferry (535STC201)

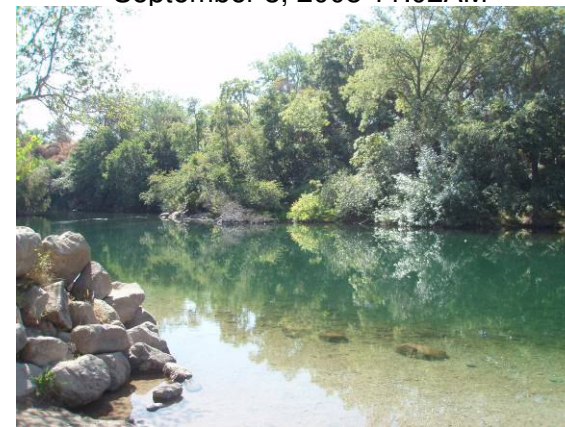
August 27, 2008 11:00AM



August 31, 2008 11:10AM



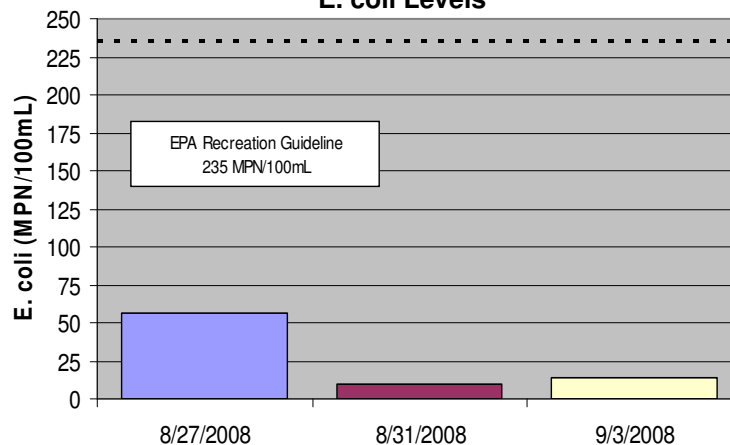
September 3, 2008 11:02AM



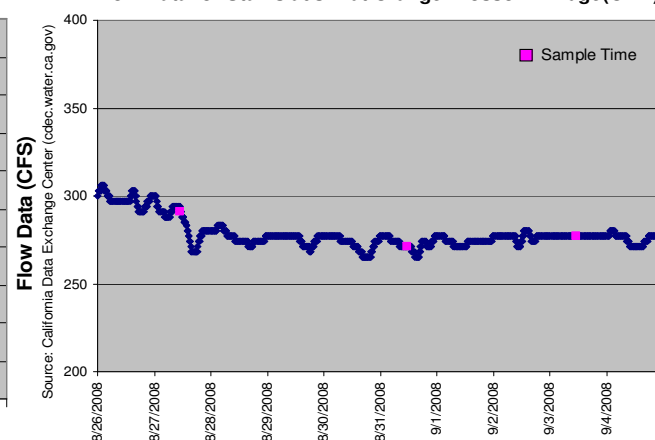
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

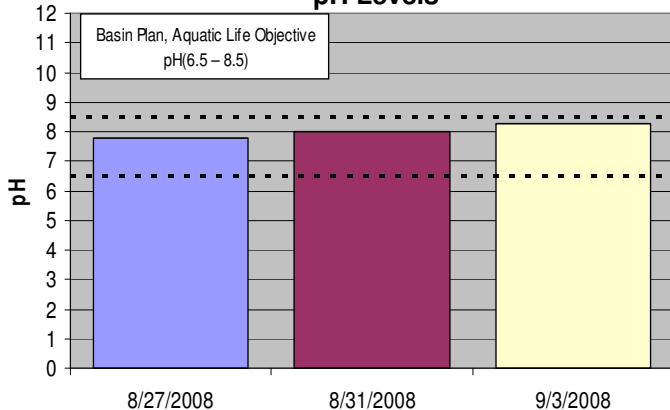
E. coli Levels



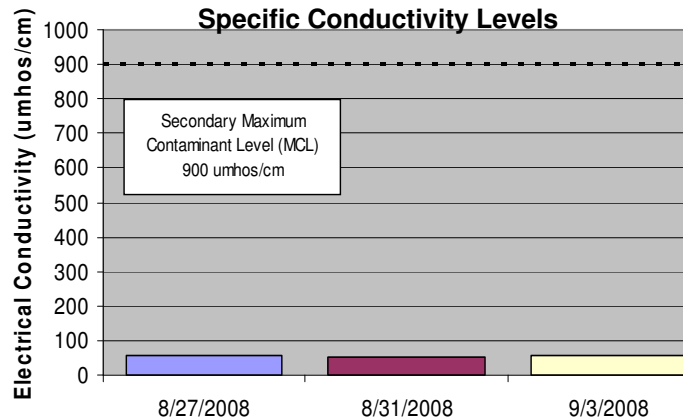
Flow Data for Stanislaus R at Orange Blossom Bridge(OBB)



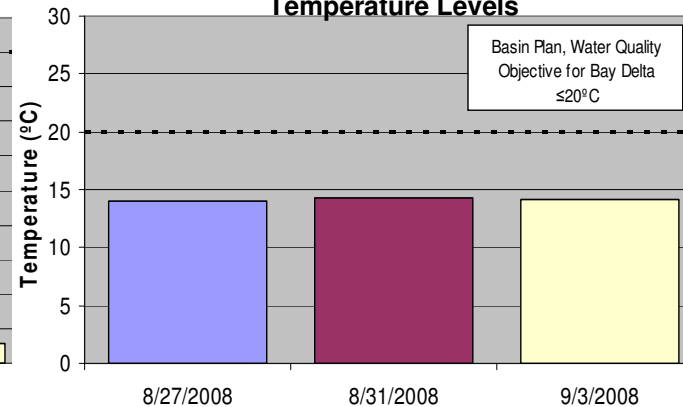
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

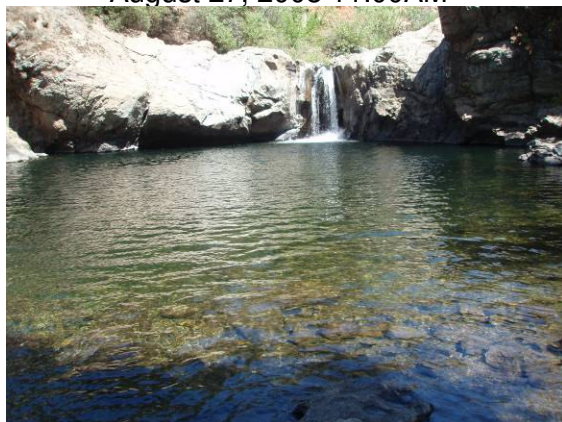
Description of Sample Site: Stanislaus River at Knight's Ferry
 SWAMP Site ID: 535STC201
 Watershed: Stanislaus River Watershed
 County: Stanislaus
 Longitude: -120.659722
 Latitude: 37.822222

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	56.5	9.7	13.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	59	53	58
pH	6.5-8.5 (Basin Plan Objective)	7.79	8.01	8.26
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	14.03	14.23	14.15

•NOTES:

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day Tuolumne River, South Fork, at Rainbow Pools (536TUO900)

August 27, 2008 11:00AM



August 31, 2008 11:10AM

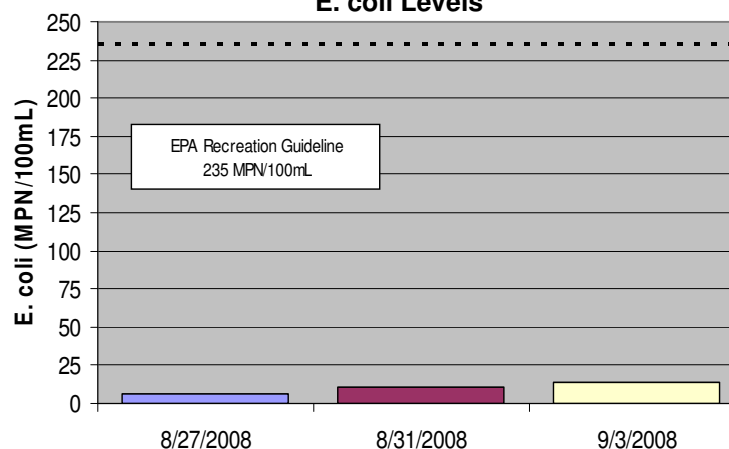


September 3, 2008 11:02AM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.

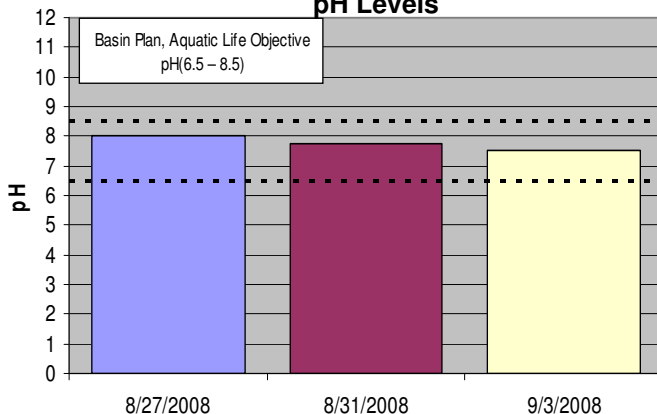
E. coli Levels



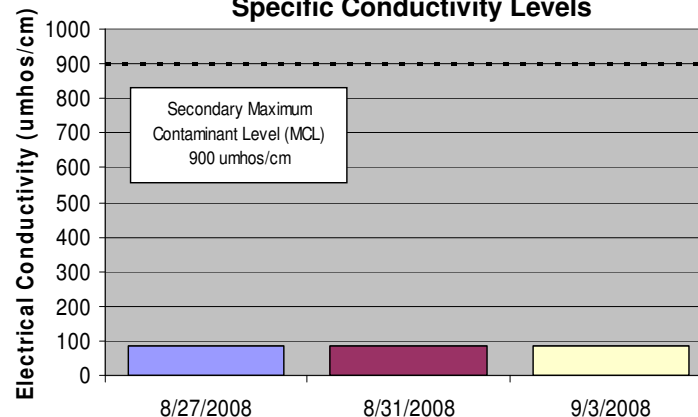
Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

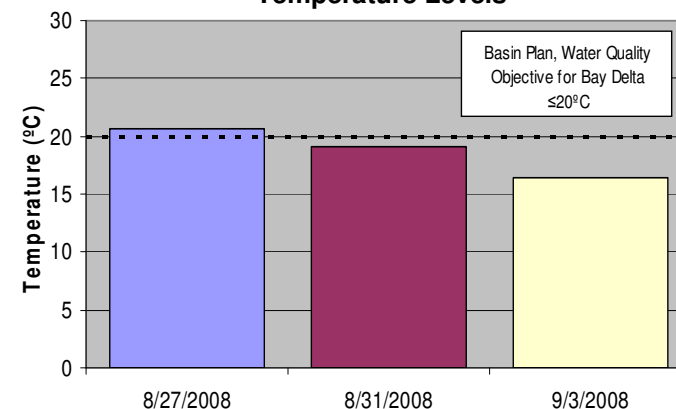
pH Levels



Specific Conductivity Levels



Temperature Levels



DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: _____ Tuolumne River, South Fork, at Rainbow Pools
 SWAMP Site ID: _____ 536TUO900
 Watershed: _____ Tuolumne River Watershed
 County: _____ Tuolumne
 Longitude: _____ -120.012983
 Latitude: _____ 37.821450

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	6.3	11	13.5
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	83	85	87
pH	6.5-8.5 (Basin Plan Objective)	8.01	7.73	7.53
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.59	19.13	16.44

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
Shaded table cells contain values that do not meet the water quality guidelines.

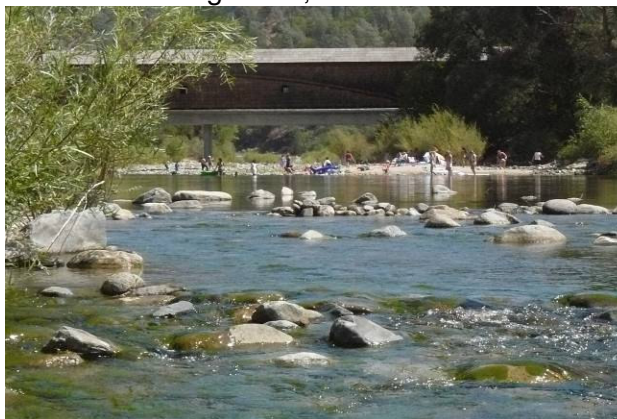
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

South Yuba River at Bridgeport (516NEV900)

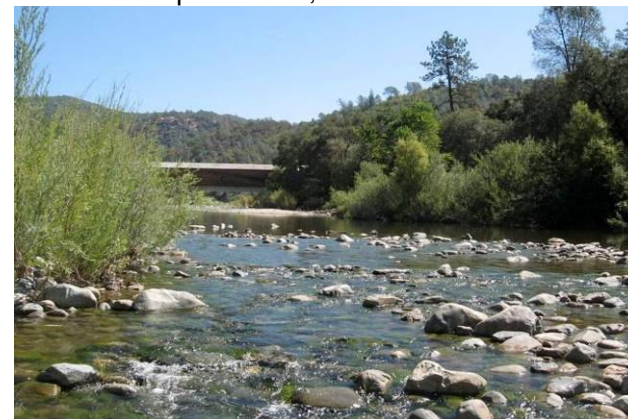
August 27, 2008 12:45PM



August 31, 2008 13:15PM



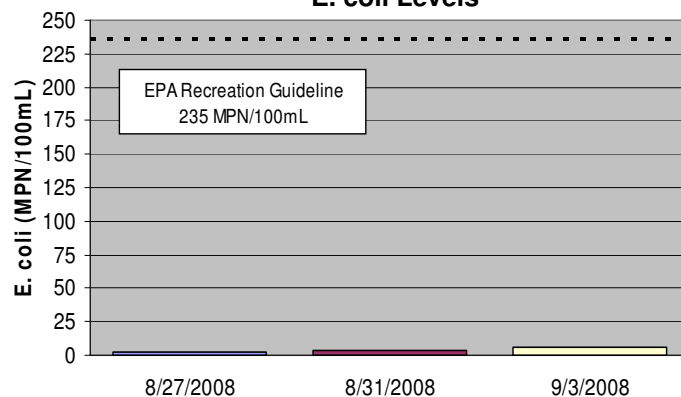
September 3, 2008 12:18PM



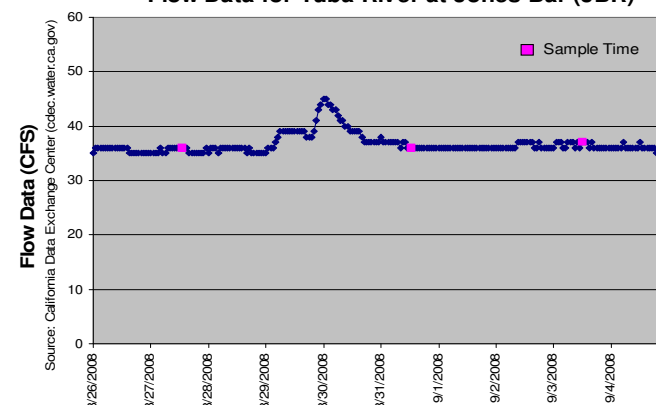
The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml

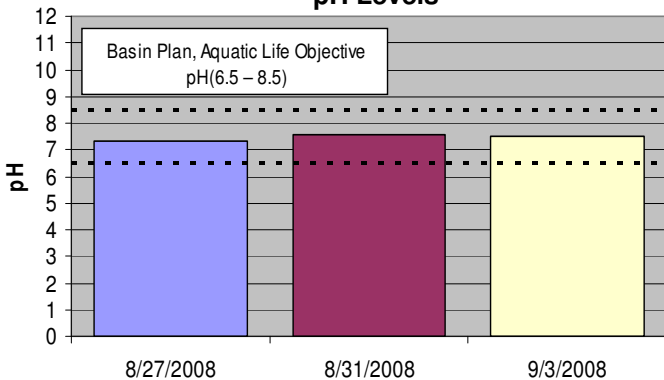
E. coli Levels



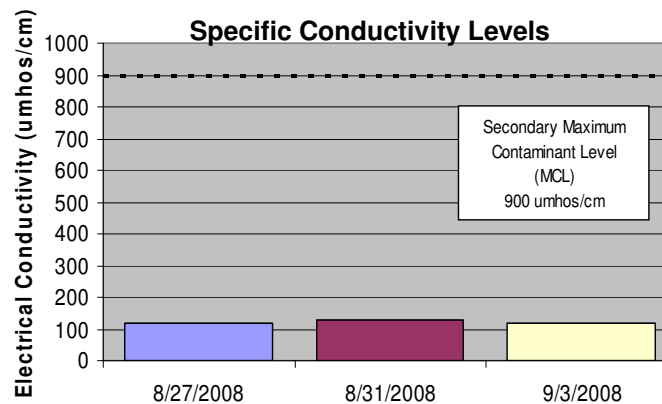
Flow Data for Yuba River at Jones Bar (JBR)



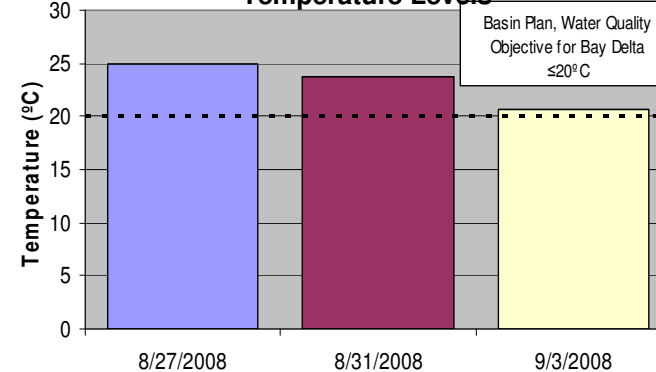
pH Levels



Specific Conductivity Levels



Temperature Levels



The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: _____ South Yuba River at Bridgeport
 SWAMP Site ID: _____ 516NEV900
 Watershed: _____ South Yuba River Watershed
 County: _____ Nevada
 Longitude: _____ -121.197775
 Latitude: _____ 39.292656

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	3	3.1	6.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	120	130	120
pH	6.5-8.5 (Basin Plan Objective)	7.3	7.6	7.5
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	25.0	23.7	20.7

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

South Yuba River at Purdon Crossing (516NEV901)

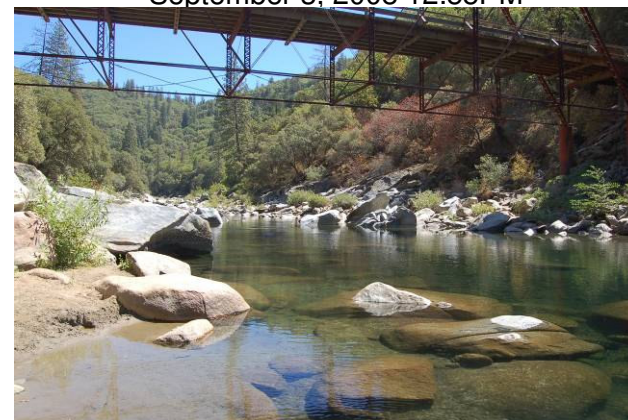
August 27, 2008 13:10PM



August 31, 2008 12:10PM

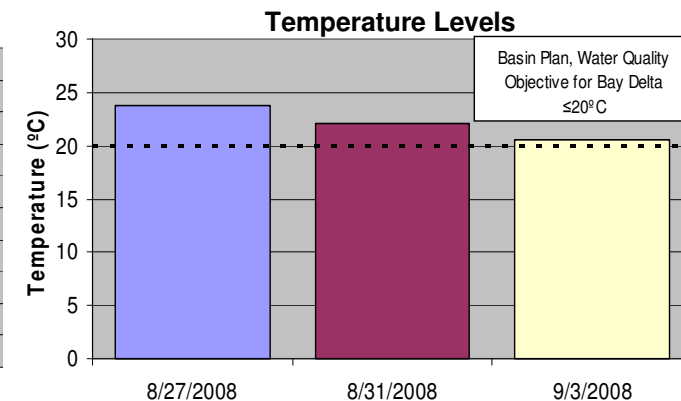
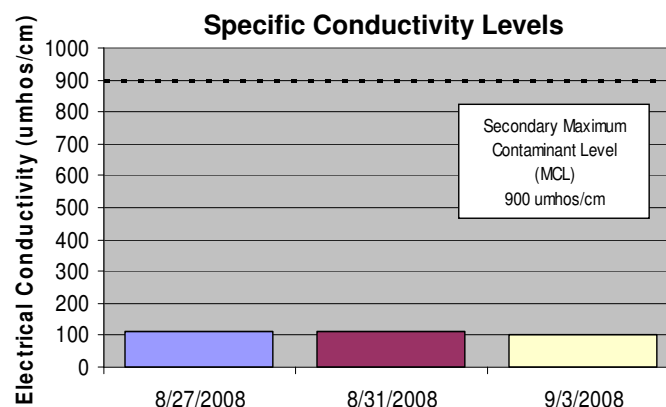
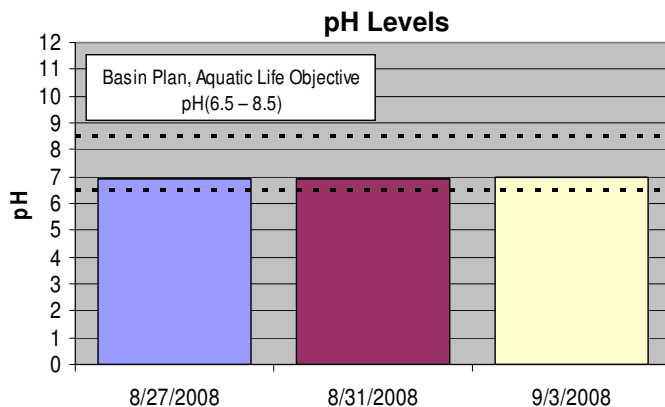
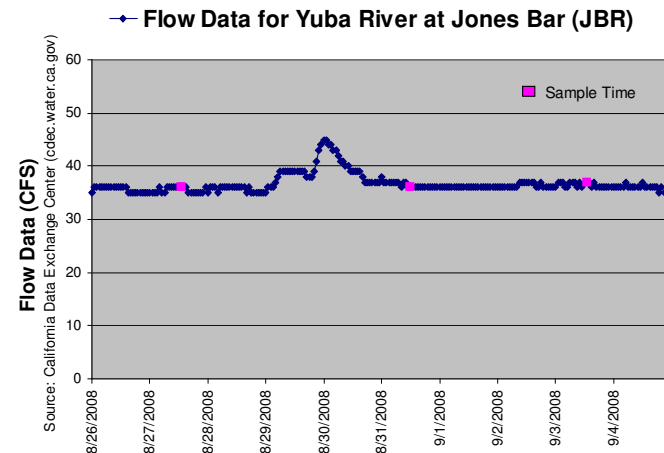
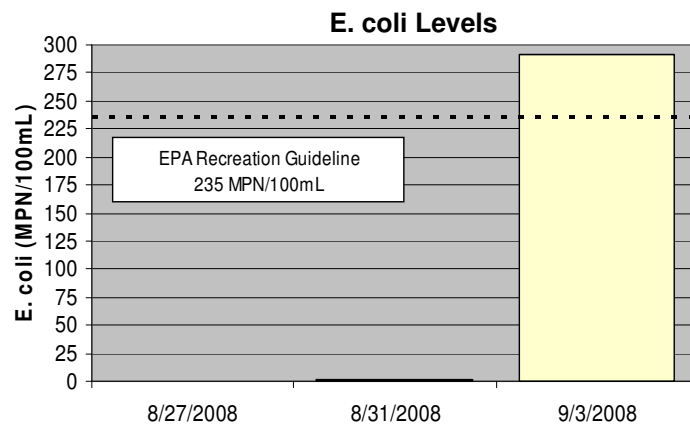


September 3, 2008 12:55PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: South Yuba River at Purdon Crossing
 SWAMP Site ID: 516NEV901
 Watershed: South Yuba River Watershed
 County: Nevada
 Longitude: -121.047305
 Latitude: 39.327706

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	<1.0	2	290.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	110	110	100
pH	6.5-8.5 (Basin Plan Objective)	6.9	6.9	7.0
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	23.8	22.1	20.6

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
 The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

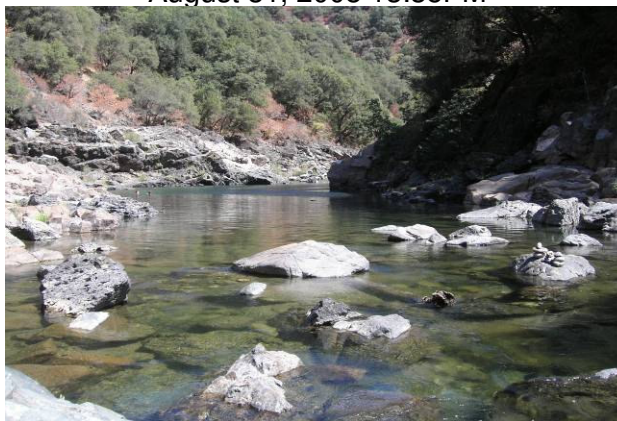
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

South Yuba River at Edwards Crossing (516NEV902)

August 27, 2008 14:20PM



August 31, 2008 13:35PM

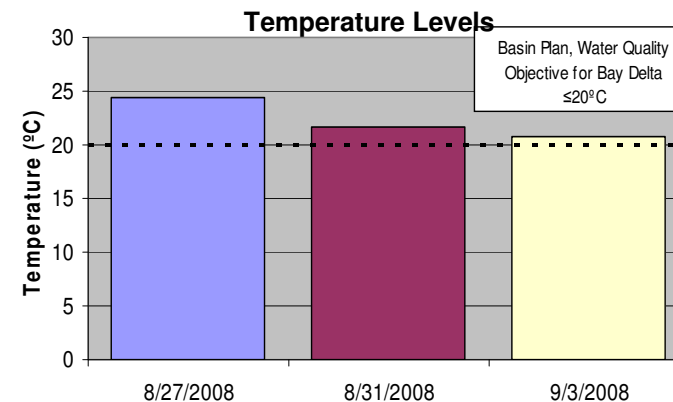
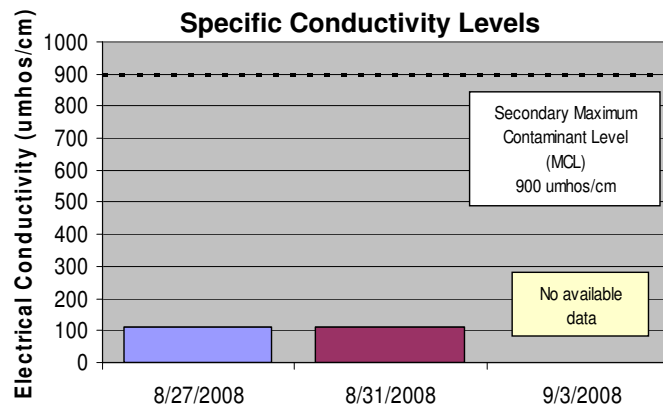
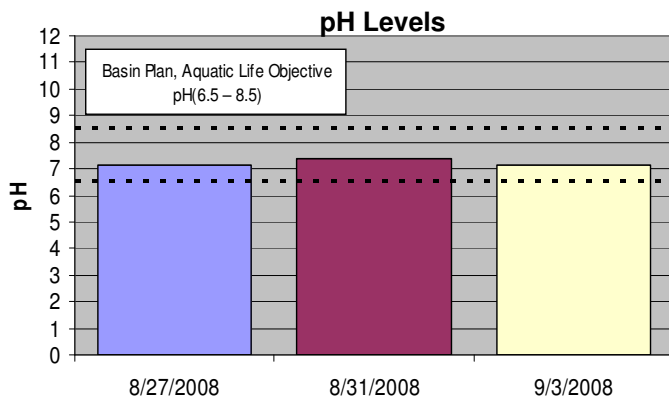
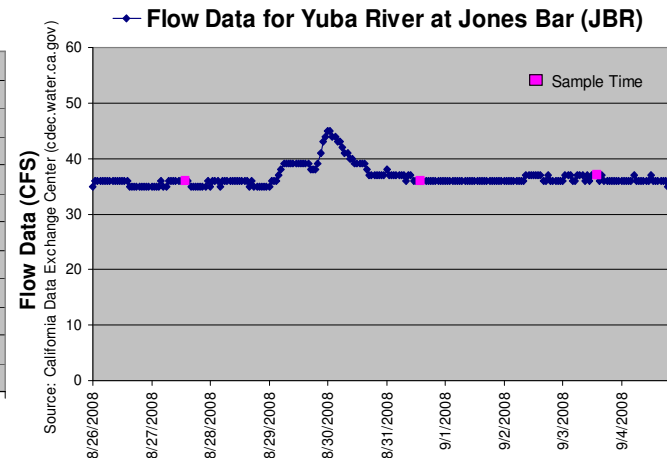
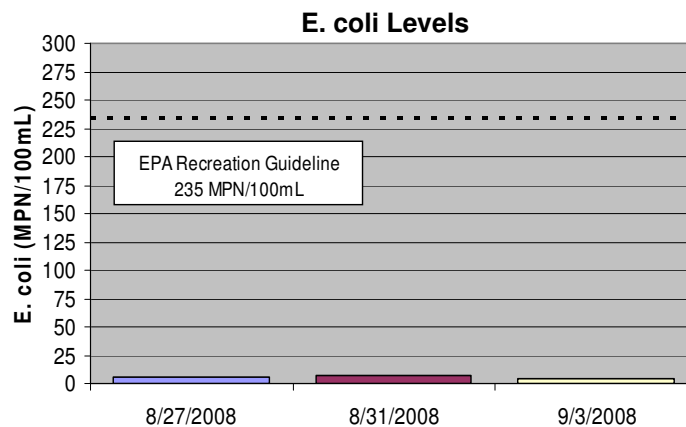


September 3, 2008 14:15PM



The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: South Yuba River at Edwards Crossing
 SWAMP Site ID: 516NEV902
 Watershed: South Yuba River Watershed
 County: Nevada
 Longitude: -120.990447
 Latitude: 39.332646

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	5.2	7.4	4.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	110	110	n/a
pH	6.5-8.5 (Basin Plan Objective)	7.1	7.4	7.1
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.4	21.7	20.7

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

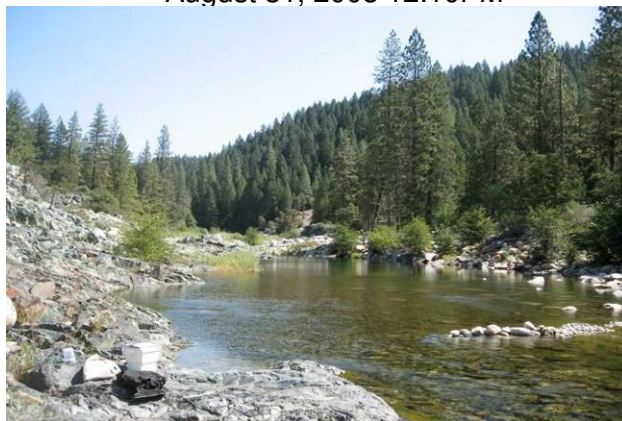
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

South Yuba River below Washington (516NEV903)

August 27, 2008 12:10PM



August 31, 2008 12:10PM

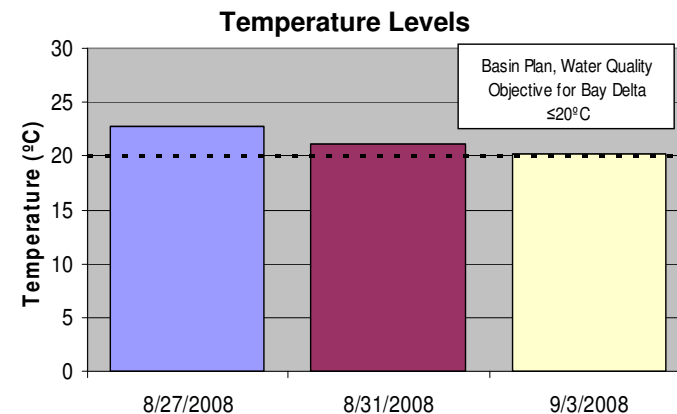
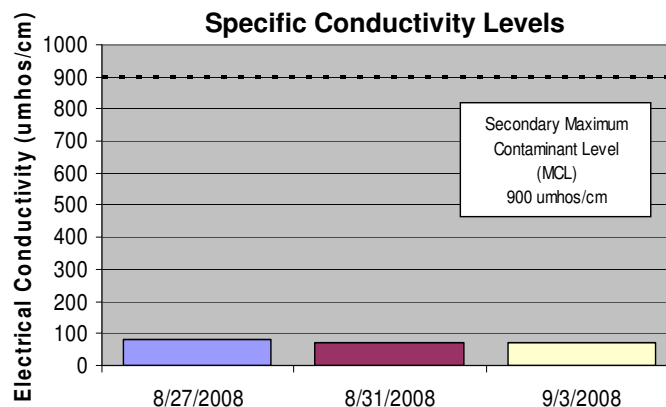
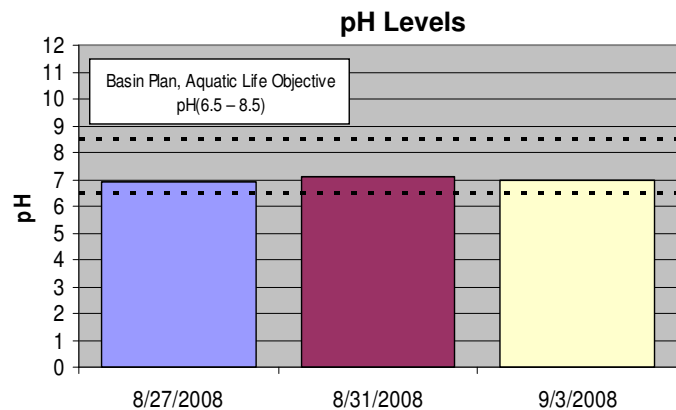
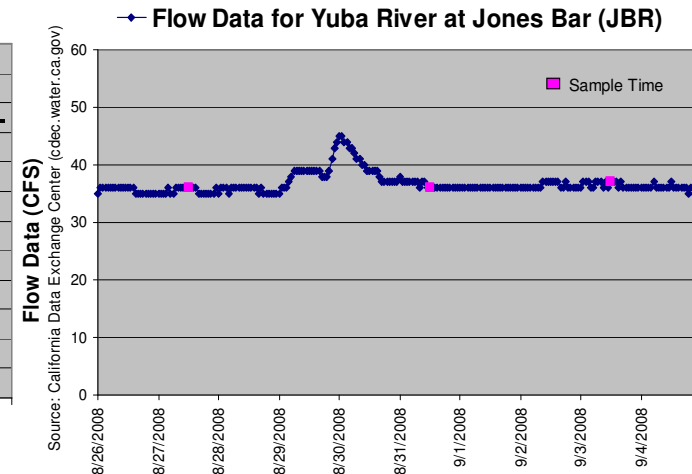
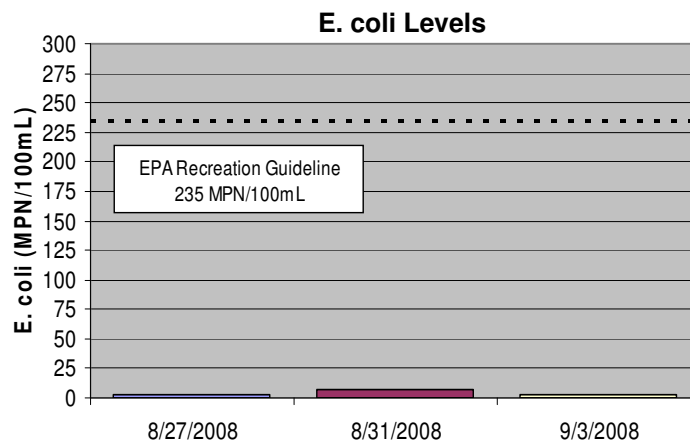


September 3, 2008 12:26PM

No photo available

The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups. Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: _____ South Yuba River below Washington
 SWAMP Site ID: _____ 516NEV903
 Watershed: _____ South Yuba River Watershed
 County: _____ Nevada
 Longitude: _____ -120.808583
 Latitude: _____ 39.353458

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	3.1	7.4	3.1
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	80	70	70
pH	6.5-8.5 (Basin Plan Objective)	6.9	7.1	7.0
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	22.7	21.1	20.2

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

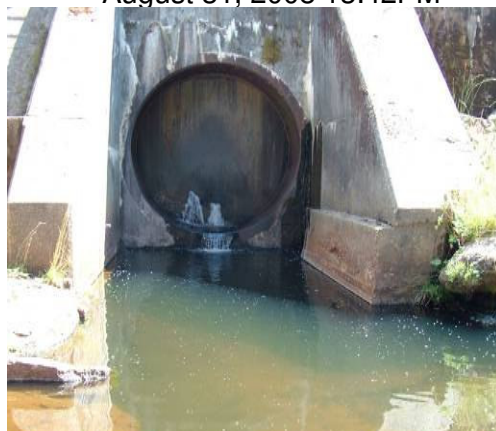
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Rock Creek below Lake Vera, below Dam (516NEV904)

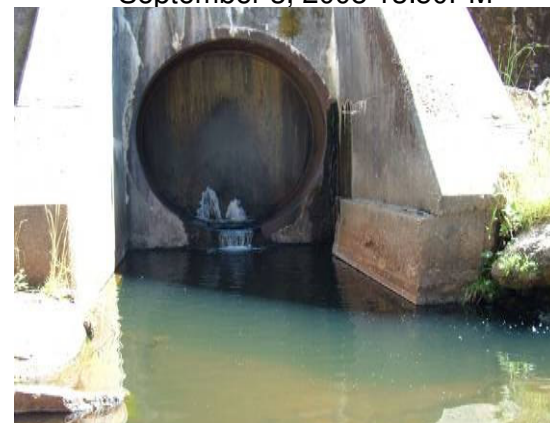
August 27, 2008 13:30PM



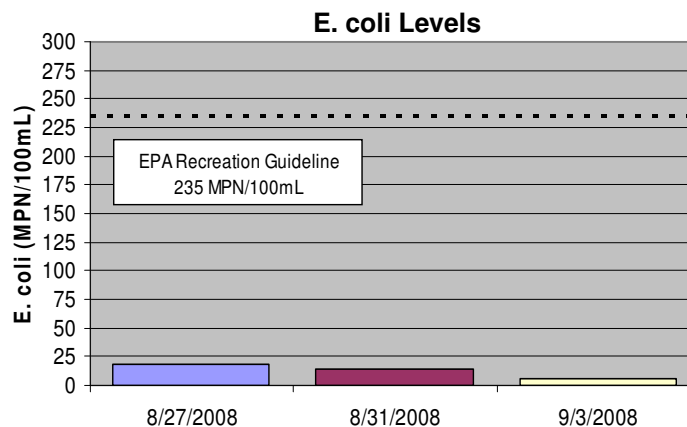
August 31, 2008 13:42PM



September 3, 2008 13:50PM

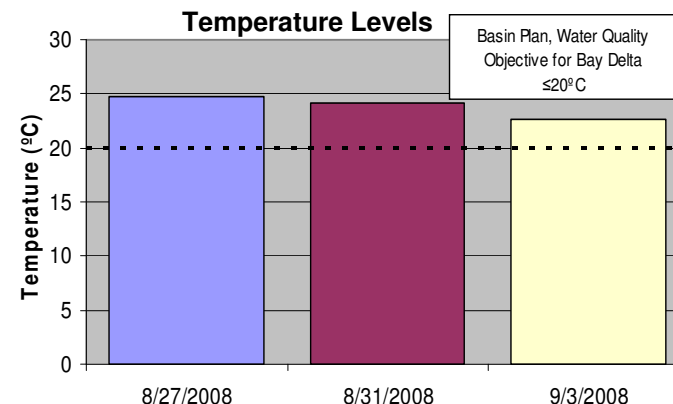
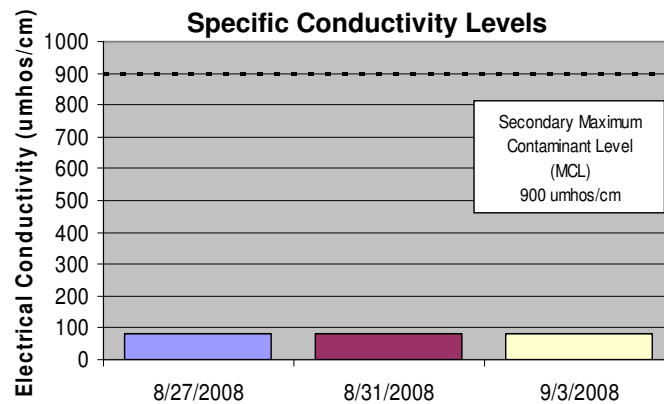
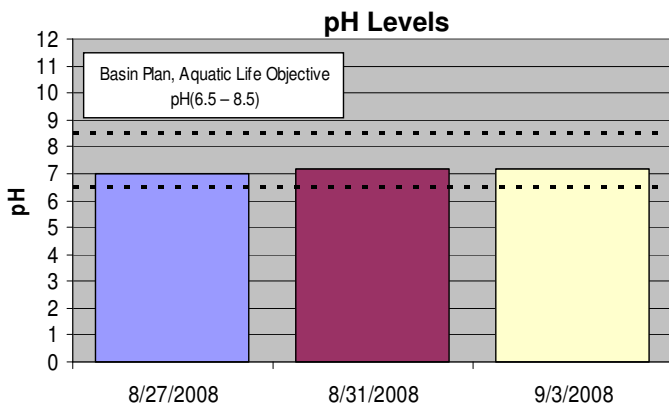


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Rock Creek below Lake Vera, below Dam
 SWAMP Site ID: 516NEV904
 Watershed: South Yuba River Watershed
 County: Nevada
 Longitude: -121.028200
 Latitude: 39.302370

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	18.9	14.6	6.3
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	80	80	80
pH	6.5-8.5 (Basin Plan Objective)	7.0	7.2	7.2
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	24.7	24.2	22.6

- NOTES: Duplicate E.coli field samples were taken at this site. Values were within Quality Assurance parameters
 Shaded table cells contain values that do not meet the water quality guidelines.
 The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

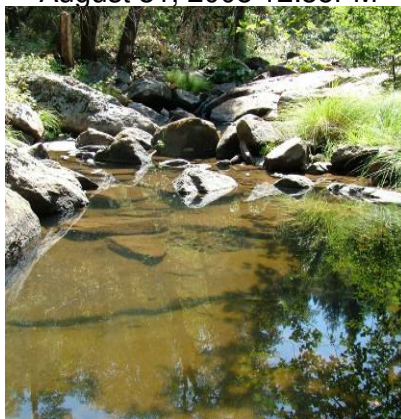
SWAMP Safe-to-Swim Study, Labor Day 2008 -Before, During and After Labor Day

Rock Creek, Lower – near South Yuba River (516NEV905)

August 27, 2008 12:30PM



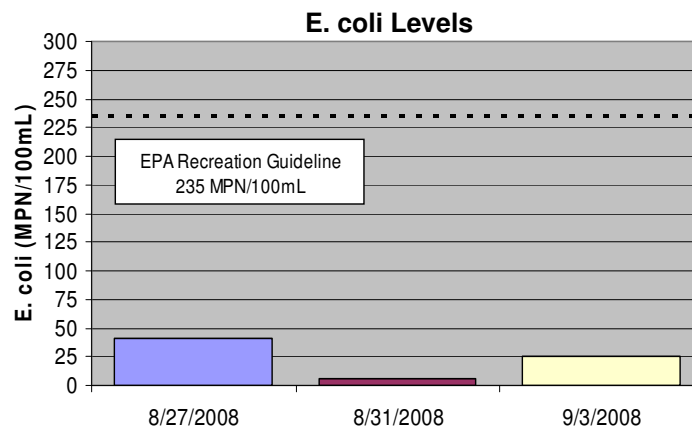
August 31, 2008 12:35PM



September 3, 2008 13:11PM

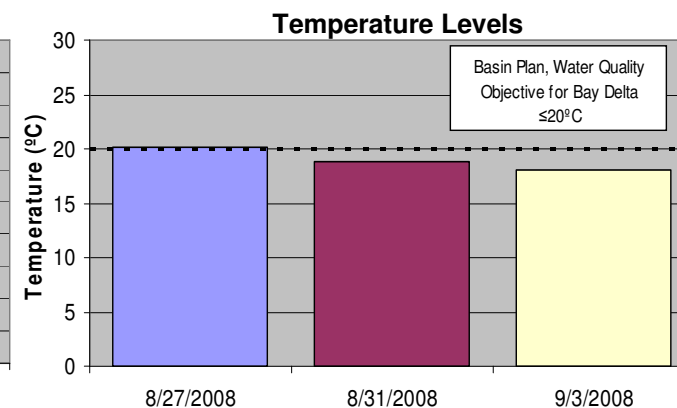
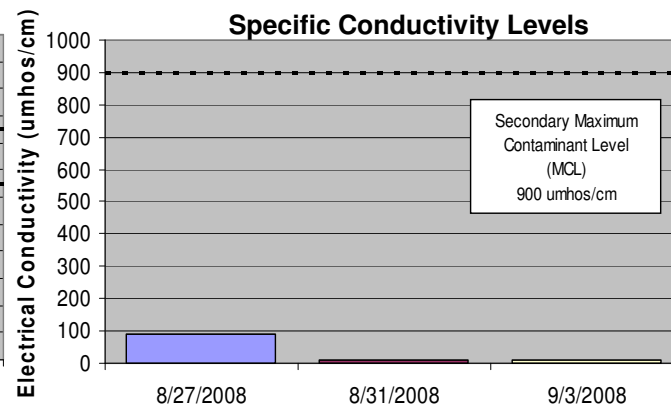
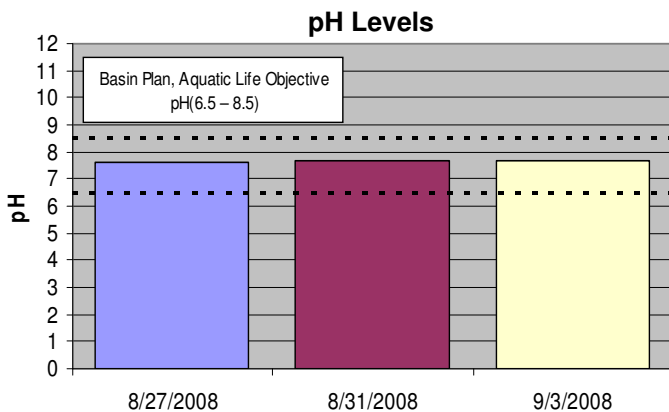


The Central Valley Regional Water Quality Control Board (CVRWQCB) conducted a region-wide Recreation Beneficial Use study, using *E. coli* as an indicator, with a guideline of 235 MPN/100mL. Funding for this study was made possible through the Surface Water Ambient Monitoring Program (SWAMP). Assistance with field collection was provided by a number of local watershed groups.



Summary sheets for all sites included in this study can be found at:

http://www.waterboards.ca.gov/centralvalley/water_issues/water_quality_studies/surface_water_ambient_monitoring/index.shtml



The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site

DRAFT DATA – SWAMP Safe-to-Swim Study, Labor Day 2008

Description of Sample Site: Rock Creek, Lower – near South Yuba River
 SWAMP Site ID: 516NEV905
 Watershed: South Yuba River Watershed
 County: Nevada
 Longitude: -121.042952
 Latitude: 39.312000

Constituent	Water Quality Guideline	Wednesday August 27, 2008	Sunday August 31, 2008	Wednesday September 3, 2008
E. coli (MPN/100 mL)	<235 MPN/100mL (EPA Contact Recreation Guideline)	41.4	5.2	25.9
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)	90	10	10
pH	6.5-8.5 (Basin Plan Objective)	7.6	7.7	7.7
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)	20.1	18.8	18.0

- NOTES: Shaded table cells contain values that do not meet the water quality guidelines.
The South Yuba River Citizen's League (SYRCL) assisted with field collection at this site